

UNIVERSITY OF KERALA



ANNUAL REPORT

FOR THE YEAR 1964

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1965

**Annual Report of the University of Kerala
for the year 1964**

Prepared by the Syndicate under Section 32 of Act 14 of 1957 and Section 6 of Chapter VII of the First Statutes and presented to the Senate for its review under Section 15 (2) (ix) of the Kerala University Act.

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UNIVERSITY OF KERALA

ANNUAL REPORT

For the Calendar Year 1964

According to Section 6 of Chapter VII of the First Statutes of the University of Kerala, the Annual Report of the University shall deal with the Calendar Year ending with 31st December, and shall be prepared by the Syndicate before 31st January of each year and submitted to the Senate at its next annual meeting held after the close of the year. Accordingly, the Annual Report of the University for the Calendar Year 1964 is submitted to the Senate. Under the provisions of Section 15 (2) (iv) of the Kerala University Act, the Senate is empowered to review the Annual Report and the Syndicate shall take action on the results of the review.

CHAPTER I

GENERAL

Steady progress was maintained in the work of the various departments and institutions of the University. The details are given under the appropriate headings; but special mention may be made of the following noteworthy events of the year :—

1. University Departments newly started

The School of Management Studies providing instruction for Post-graduate Diploma Courses in (a) Business Management, and (b) Industrial Management was started during the year at the Ernakulam Centre (temporarily located in the F. A. C. T. Training School, Udyogamandal) with the assistance provided by the University Grants Commission and the State Government.

2. New Colleges

The following junior colleges providing instruction for the Pre degree course were newly started during the year and affiliated to the University :—

- (i) *Maintained by Government*
(Mixed College)

The Government Arts & Science College, Calicut.

(ii) *Colleges maintained by Private Managements*
(Mixed Colleges)

1. The Baselius College, Kottayam.
2. The Bishop Moore College, Mavelikara.
3. The Christian College, Chengannur.
4. The Deva Matha College, Kuravilangad
5. The Devaswom Board College, Sasthamecottah.
6. The Iqbal College, Peringamala.
7. The Milad-e-Sherief Memorial College, Kayamkulam.
8. The Newman College, Thodupuzha.
9. The Nirmalagiri College, Kuthuparamba.
10. The N. S. S. College, Nilamel P. O , Kottarakara.
11. The N. S. S. College, Pallipuram P. O , Shertallai.
12. The Pazhassi Raja N. S. S. College, Mattannur.
13. The S. N. M. Junior College, Maliankara.
14. The Sree Krishna College, Guruvayoor.
15. The Sree Narayana College, Chempazhanthi.
16. The Sree Narayana College, Shertallai.
17. The Sree Narayana College, Sivagiri, Varkala.
18. The St. Gregorios College, Kottarakara.
19. The St. John's College, Anchal.
20. The St. Peter's College, Kolencherry.
21. The St. Stephen's College, Pathanapuram.
22. The St. Stephen's College, Uzhavoor.
23. The St Thomas College, Ranni.
24. The T. K. Madhavan Memorial College, Nangiarkulangara.
25. The Velu Thampi Memorial N. S. S. College,
Dhanuvachapuram.

(For Boys)

26. The Kuriakose Elias College, Mannanam.
27. The Loyola College, Kazhakootam.

(Temporarily located for 1964-'65 in the Institute of
Sociology, Cheruvikal P. O., Trivandrum.)

(For Girls)

28. The All Saints' College, Trivandrum.
29. The Alphonsa College, Palai.
30. The Mercy College, Palghat.
31. The St. Joseph's College, Irinjalakuda.
32. The St. Xavier's College, Alwaye.

3. Courses newly started

The following new courses were started during the year in the institutions noted against each —

| <i>Course</i> | <i>Institution</i> |
|---|--|
| 1. Pre-degree | (i) All the Arts and Science Colleges and Sanskrit Colleges which provided instruction for the Pre-University Course during 1963 - '64. (ii) Government Sanskrit College, Pattambi. (iii) All the Junior Colleges started during the year. |
| 2. Post-graduate Diploma Courses in (a) Business Management (b) Industrial Management | School of Management Studies (University Centre, Ernakulam) F. A. C. T. Training School, Udyogamandal P. O., Alwaye. |
| 3. D. C. H. | Medical College, Trivandrum. |

4. Department newly instituted

The Senate sanctioned during the year the institution of a Department of English" and passed the necessary amendment to the statutes.

5. Diploma Courses newly instituted

The Senate sanctioned during the year the institution of the following Diplomas and passed the necessary amendments to the statutes :—

| | |
|--|------------------------|
| 1. Post-graduate Diploma Course in Business Management | In the Faculty of Arts |
|--|------------------------|

- | | |
|---|---------------------------------------|
| 2. Post-graduate Diploma Course in Industrial Management | In the Faculty of Arts |
| 3. Diploma Course in Translation | In the Faculty of Oriental Studies |

6. Certificate Course newly instituted

The Senate sanctioned during the year the institution of a "Certificate Course in Translation and Secretariat Drafting in Hindi" in the Faculty of Oriental Studies and passed the necessary amendments to the Statutes.

7. Institution of additional Research Fellowships

The Senate sanctioned during the year the institution of—

- (i) Twenty additional Junior Research Fellowships of the value of Rs. 150/- each per mensem, increasing the total number of Junior Research Fellowships to 50; and
- (ii) Four additional Senior Research Fellowships of the value of Rs. 300/- each per mensem, increasing the total number of Senior Research Fellowships to 10.

8. Institution of additional Merit Scholarships

The Senate sanctioned during the year the institution of—

- (i) Twenty additional merit scholarships of the annual value of Rs. 480/- each, raising the total number of merit scholarships for award to students studying in the Pre-University/Pre-degree class to 100;
- (ii) Ten additional merit scholarships of the annual value of Rs. 600/- each, raising the total number of merit scholarships for award to students studying in the B. A./B. Sc./B. Com. courses to 110; and
- (iii) Fifty additional merit scholarships of the annual value of Rs. 900/- each, raising the total number of merit scholarships for award to students studying in the M.A./M.Sc./M.Com. classes to 95.

9. Progress of Schemes under the Third Five Year Plan

Mention was made in the last report of the University Departments newly started during 1963-'64 at Trivandrum and at the University Centres at Ernakulam and Calicut. During the year under report one more Department—School of Management Studies—was started at the Ernakulam Centre as stated earlier.

Land Acquisition

Additional lands required for the University Campus, Trivandrum, at Karyavattom have been acquired on both sides of the National High Way and the total area so far taken over comes to about 480 acres.

As regards Calicut Centre, the University had acquired 157 acres of land at Calicut, but as it was considered not wholly suitable or adequate for the Centre, another site of 500 acres has been selected at Ramanattukara, 14 miles south of Calicut and land acquisition proceedings are under way.

Buildings

The University Grants Commission had approved a programme for the construction of buildings under the Third Plan with an assistance of Rs. 14.8 lakhs from them. The Commission, however, stated subsequently that on the basis of the funds at their disposal not more than 70 per cent of the proposed contribution could be agreed to as formally available to the University during the Third Plan period and that after further review it might be possible to allocate some additional funds. When this building programme was approved by the University Grants Commission, the future requirements of the University Departments concerned, incidental items of expenditure such as provision of hostels etc. and the progressive increase in the cost of construction were not adequately taken into account. The matter was reviewed and expenditure as shown below for the construction of buildings in the University Campus at Karyavattom and the University Centres at Ernakulam and Calicut till the end of March 1966 was approved by the Syndicate.

| | |
|-------------|---|
| Karyavattom | Rs. 37.50 lakhs (excluding provision for Gandhi Bhavan) |
| Ernakulam | Rs. 19.50 lakhs |
| Calicut | Rs. 18.00 lakhs |

The University Grants Commission and the State Government have been addressed for financial assistance to implement this programme.

At the beginning of the Third Plan, the following buildings sanctioned in the Second Plan remained to be constructed. —

1. University Library Building
2. Additional building accommodation for the Department of Education

3. Buildings for the Departments of Oceanography and Applied Chemistry
4. Women's Hostel Building
5. Buildings for the Health Centre
6. Building for the University Press
7. Non-resident Students' Home
8. Gandhi Bhavan

All the above buildings have since been completed except the Non-resident Students' Home and Gandhi Bhavan which are nearing completion.

All the building programmes are being taken up, except that for the University Centre at Calicut for which a new site as already stated has been selected.

At Karyavattom, construction of the following buildings was started during the year:—

1. Engineer's Office
2. Building for the Department of Botany
3. Guest House

The University has also approved estimates for a Physical Science building (Rs. 9.25 lakhs) and a Hostel for men students (Rs. 5.50 lakhs). Plans are being prepared for the remaining buildings in consultation with the Architect.

Ernakulam Centre

At Thrikkakara, construction of the following buildings has been taken up during the year :-

1. Engineer's Office
2. Building for the School of Business Management

The University has also approved estimates for a building for the Physics Department (Rs. 9.85 lakhs) and a Hostel for men students (Rs. 5.94 lakhs). Plans for the remaining works are being finalised in consultation with the Architect.

Appointment of Staff

Appointments to the teaching staff in the University Departments were made after advertisement and selection in accordance with Section 6 of Chapter V of the Statutes.

Details of staff newly appointed in the University Departments during the year are given below.

| <i>University Department</i> | <i>Name of person appointed</i> | <i>Designation</i> |
|--|---|---|
| (At Trivandrum) | | |
| 1. Department of Economics, Trivandrum. | Dr. E. T. Mathew, M.A., Ph D. | Reader |
| 2. Department of Mathematics and Statistics, Trivandrum. | 1 Dr. B. R. Sreenivasan, M.A., Ph D. 2. Shri P. Ramankutty, M. Sc. | Reader Lecturer in Mathematics |
| 3. Department of Chemistry, Trivandrum. | 1. Dr P. T. Joseph, M Sc, Ph D. 2. Shri C. G. Ramachandran Nair, M. Sc, Ph. D 3 G. M. Devasta, M. Sc, Ph D 4. Dr. D. Joseph Francis, M Sc, Ph D 5 Shri J. Mohan Das, M Sc. | Reader in Inorganic Chemistry Lecturer in Inorganic Chemistry do. Lecturer in Physical Chemistry Instructor |
| 4. Department of Geology, Trivandrum. | 1. Shri P. K. Rajendran Nair, M. Sc. 2 Shri Raju Philip, M. Sc. | Lecturer do. |
| 5. Aquarium, Trivandrum (attached to the Department of Marine Biology and Fisheries) | Dr. P. A. John, M Sc, Ph D. | Research Officer |
| 6. Department of Linguistics, Trivandrum. | 1 Shri G. Kesava Panicker, M. A. 2. Shri S. Velayudhan Azhaz, M. A. 3. Smt, A. Kamatchi, M. A. | Lecturer Research Assistant do. |

| <i>University Department</i> | <i>Name of person appointed</i> | <i>Designation</i> |
|---|---|---|
| (At Ernakulam Centre) | | |
| 7. Department of Physics (Union Christian College Campus, Alwaye) | 1. Dr. Joy George, M. A., Ph. D. 2. Dr. G. Arul Das, M. Sc., Ph. D. | Reader Lecturer |
| 8. Department of Hindi, Ernakulam. | 1. Dr. M. Malik Mohammed, M. A., Ph. D. 2. Shri A. Ramachandra Dev, M. A. 3. Shri M. Easwari, M. A. | Lecturer do. Research Assistant |
| (At Calicut Centre) | | |
| 9. Department of History (Guruvayurappan College Campus, Calicut) | Shri M. G. Sankaranarayanan, M. A. | Lecturer |
| 10. Department of Chemistry (Farook College Campus, Feroke) | 1. Dr. C. P. Savariar, M. Sc., Ph. D. 2. Dr. K. C. Eapen, M. Sc., Ph. D. | Lecturer in Inorganic Chemistry Lecturer |
| 11. Department of Botany (St. Joseph's College Campus, Devagiri, Calicut) | 1. Dr. K. S. Manilal, M. Sc., Ph. D. 2. Shri J. Christopher, M. Sc. | Lecturer do. |
| 12. Department of Zoology (St. Joseph's College Campus, Devagiri, Calicut) | 1. Dr. V. K. Kesava Prabhu, M. Sc., Ph. D. 2. Shri P. T. Thomas, M. Sc. | Lecturer do. |

10. Pay scales of teachers in non-Government affiliated colleges

The University Grants Commission scheme for revision of salary scales of teachers in the non-Government affiliated colleges under the Second Five Year Plan, was terminated by the 31st of March 1964. Under the provisions of the Grant-in-aid Code, the managements of the private colleges are maintaining the U. G. C. scales of pay for their teachers as a permanent measure. The U. G. C. assistance in respect of 2 Arts and Science Colleges and 5 Training Colleges, which introduced the U.G.C. scales of pay under the Third Plan, is continuing and during the year the U. G. C. sanctioned a sum of Rs. 18,995.86 towards its share.

11. Courses of Study, Scheme of Examinations, Syllabus, etc.

1. In view of the rapid progress and increased importance of Cytology and Genetics, a slight change in the scheme of examination for M. Sc. Zoology has been made.
2. For M. A. degree examination in Hindi Language and Literature, in addition to Sanskrit, Malayalam, Tamil and Kannada have been prescribed as subsidiary languages.
3. A. C. C. training was deleted from the B. Ed. course.
4. For the M. L. degree examination, presentation of thesis has been re-introduced as a requirement for all candidates in addition to essay paper with effect from the academic year 1965-'66.
5. It has been decided to stop private admission to the M. L. degree examination in branches in which regular instruction is given in the University Department of Law or in any of the affiliated Law Colleges from the examinations of 19'6.
6. Scheme of examinations for the fourth and fifth years of the five-year Integrated Course in Engineering was prescribed.
7. A new set of regulations for Ph. D. Degree in the Faculty of Engineering were framed.
8. Changes in the maximum marks for periodical class tests and clinical / practical examinations of the Final M. B. B. S. Examination Parts I and II recommended by the Faculty of Medicine to ensure uniformity in evaluation were accepted.

and brought into force from the examinations of December 1964.

9. Ordinances for the following examinations were prescribed:-
 - (i) D.O. (Diploma in Ophthalmology)
 - (ii) D.C.H. (Diploma in Child Health)
10. The courses of study, scheme of examinations, syllabuses, etc. for the following examinations were prescribed during the year:—
 - (i) B. Sc. (Nursing)
 - (ii) M Sc. (Demography)
11. For the Final B. D. S. examination under the old scheme practical examinations in Periodontia and Orthodontia were introduced from the examinations of April 1964.
12. For M. Sc. (Agriculture) the following minor subjects were added:—
 - (i) Agricultural Economics
 - (ii) Agricultural Extension
 - (iii) Bio-chemistry

12. Research Schemes accepted by the University for implementation

1. *Studies on the Endocrinology of Reproduction in Crustacea*

A scheme of research for "Studies on the Endocrinology of Reproduction in Crustacea" extending over a period of three years, prepared by Dr. K. K. Nayar, Head of the Department of Zoology of the University, was submitted to the Bureau of Commercial Fisheries of the U. S. A. The Bureau approved the scheme and agreed to give a grant of \$ 80,000/- for carrying out the scheme for a period of three years from April, 1964.

The scheme was accepted by the University for implementation under the supervision of Dr. K. K. Nayar and is located at Trivandrum. The posts included under the scheme, viz., one Research Associate, one Technical Assistant, one Research Assistant, and one Office Assistant were created for a period of three years.

2. *Reproductive Biology of Insects*

A scheme of research on "Reproductive Biology of Insects" extending over a period of five years, prepared by Dr. K. K. Nayar,

Head of the Department of Zoology of the University, was submitted to the Ford Foundation for financial assistance for carrying out the scheme. The Ford Foundation sanctioned a grant of \$ 1,19,000/- to the University to expand research and post-graduate training in Reproductive Biology in the University Department of Zoology for a period of five years. Out of the total grant, a sum of \$52,000/- will be operated by the University as follows:—

| | | |
|---|----|------------------|
| Consumable and local equipment | .. | \$ 27,000 |
| Strengthening of staff (salaries for 5 years) | . | \$ 25,000 |
| Total | .. | <u>\$ 52,000</u> |

Of the balance amount, \$ 37,000/- is for the purchase of equipments from the U. S. A. and \$ 30,000/- for meeting the salary and other expenses of a foreign expert who will work in the University Department of Zoology, for one year.

The scheme was accepted by the University for implementation under the supervision of Dr. K. K. Nayar, and it is located at Trivandrum. The posts included under the scheme, viz., one Research Associate, two Research Assistants and one Technical Assistant-cum-Photographer, were created for a period of five years.

13. Recognition of the B. D. S. Degree of the University by the Dental Council of India

Under Section 10(2) of the Dentists Act, the Dental Council of India has recognised the B. D. S. Degree awarded by this University.

14. General Inspection Commissions

(i) *For Arts and Science Colleges*

The General Inspection Commission appointed to inspect the Arts and Science Colleges to assess with regard to each College the facilities available in respect of accommodation, library, laboratory, equipment, staff and amenities provided for students and teachers and to suggest improvements for the general betterment of colleges was re-constituted during the year.

The following colleges were inspected by the Commission during the course of the year:—

1. The Mahatma Gandhi College, Trivandrum.
2. The Mar Ivanios College, Trivandrum.

3. The N. S. S. College for Women, Trivandrum.
4. The Sree Narayana College, Quilon.
5. The Sree Narayana College for Women, Quilon.
6. The Fatima Mata National College, Quilon.
7. The N. S. S. College, Pandalam.

During its visit to the colleges, the Commission met representative groups of students, teachers and managements of Colleges and had discussions with them.

Inspection of some more of the Arts and Science Colleges is expected to be completed before the end of the current academic year.

(ii) *For Training Colleges*

A General Inspection Commission has been appointed to inspect all the Training Colleges affiliated to the University with a view to assessing the facilities available, the amenities provided for students and teachers, staff position, etc. and their adequacy with particular reference to the number of students studying in the colleges and to suggest improvements if called for. The Commission will also look into the question of the need for sanctioning any new Training College during 1965-'66 in the light of the facilities existing in the Training Colleges and the demand for trained teachers in the State.

The members of this Commission are -

1. Shri A. N. Thampi, (Chairman)
Chairman,
Kerala State Education Advisory Board,
Trivandrum.
2. Fr. T. C. Thomas,
Principal, Mar Thoma College,
Thiruvalla.
3. Dr. Sologran,
Principal, St. Xavier's College of Education,
Bombay.
4. Dr. N. V. Thirtha,
Professor of Education, Teachers' College,
Osmania University, Hyderabad. (A. P.)
5. Dr. N. P. Pillai,
(Dean, Faculty of Education) (Secretary)
Professor & Head of the University
Department of Education,
Trivandrum.

The Commission is to inspect the 19 Training Colleges in 3 phases during January-February, 1965.

15. Legal Education Commission

A Legal Education Commission consisting of the following persons was appointed to study and report on the position of Legal Education in the University and make suggestions for its improvement :-

1. Shri B. P. Sinha, (Chairman)
Retd. Chief Justice of India,
Supreme Court Buildings,
New Delhi
2. The Dean, Faculty of Law
of the University.
3. The President of the Kerala Bar Council,
Ernakulam.
4. The Director of Legal Studies,
Madras.
5. The Dean, Faculty of Law,
Osmania University, Hyderabad.
6. Shri V. R. Krishna Iyer,
Ex-Law Minister and Advocate,
Ernakulam.
7. Prof. Bertram F. Wilcox,
Legal Consultant,
The Ford Foundation,
32, Ferozshah Road,
New Delhi.
8. Shri M. S. Menon,
Chief Justice of Kerala,
Ernakulam.
9. The University Professor of Law
(Member Secretary)

The Commission has submitted its report and it is under consideration.

16. Seminars, Summer Schools, etc.

The conduct of the following Seminars, Summer Schools, etc. formed an attractive feature of the year

1. Seminar on "Democracy and Education".
2. Seminar on "Student Personnel Services".

3. Seminar on "Recent Trends in the Study of Political Science."
4. Seminar on "Raman and Infrared Spectroscopy."
5. Seminar on "Hindi for College Teachers".
6. Seminar for Teachers of English.
7. Seminar on "Post-graduate Teaching of Malayalam."
8. Annual Conference of the Indian Academy of Applied Psychology.
9. Summer School of Linguistics.
10. Summer Course in Advanced Mathematics.
11. Summer Course (Advanced) for Statisticians.
12. Summer Institute of Biology.
13. Refresher Course for Pre-degree Teachers of Mathematics.

OFFICERS OF THE UNIVERSITY

| | |
|------------------|--|
| Chancellor: | Shri V. V. Giri, Bar-at-Law, Governor of Kerala. (ex-officio) |
| Pro-Chancellor: | Shri R. Sankar, B. A., B. L., Chief Minister & Minister for Education, Kerala State. (ex-officio) (till 10th September, 1964) |
| Vice-Chancellor: | Prof. Samuel Mathai, M.A. (Oxon.) |
| Registrar: | Shri A. M. N. Chakiar, B. A. |

Legal Adviser to the University

Shri V. Parameswaran Pillai, M. A., M. L., Advocate, was appointed Legal Adviser to the University for a period of two years on a retaining fee of Rs. 250/- per mensem from 7th July, 1964 vice Shri Parur T. K. Narayana Pillai resigned.

Development Officer

Shri K. M. Peter, Joint Secretary to Government, has been appointed on deputation basis as Special Development Officer of the University. He is in charge of matters connected with the establishment of the three University Centres, the development schemes of the University coming under the Five Year Plans and the grants to be obtained from the University Grants Commission, the Government of India and the State Government.

STATUTORY AUTHORITIES

The Senate

The term of the second Senate constituted under Section 13 of the Kerala University Act—Act 14 of 1957, expired on 27th June 1961. The Senate was reconstituted with effect from 28th June, 1961. A list of the members of the reconstituted Senate is given as Appendix I

Two meetings of the Senate were held during the year. The annual meeting was held on 2nd and 3rd March, 1964, and an ordinary meeting on 20th and 21st November, 1964.

The Syndicate

During the year under report the following persons were elected to the Syndicate from the constituencies noted against each, --

- | | |
|--|---------------------------|
| 1. Rev. Fr. Xavier Kaniampurath, Principal, St. Albert's College, Ernakulam. | Principals of Colleges |
| 2. Rev. Fr. T. C. Thomas, Principal, Mar Thoma College, Thiruvalla | do. |
| 3. Shri P. S. Velayudhan, Principal, Maharaja's College, Ernakulam. | do. |
| 4. Shri M. George, Principal, Law College, Trivandrum. | do. |
| 5. Rev. Fr. Joseph Kurcethadam, Principal, St. Thomas College, Palai. | Senate |
| 6. Shri P. S. George, Advocate, Kalleekal Plamootil, Thiruvalla. | do. |
| 7. Shri K. Velayudhan Nair, Advocate, Ernakulam. | do. |
| 8. Shri V. R. Subramoniam, Lecturer in English, St. Thomas College, Trichur | do. |

- | | |
|---|------------------------------------|
| 9. Shri P. P. Hassan Koya, Court Road, Calicut. | Senate |
| 10. Dr. N. P. Pillai, Professor & Head of the University Department of Education, Trivandrum. | Deans of Faculties |
| 11. Dr. C. K. N. Nair, Principal, Agricultural College, Vellayani. | do. |
| 12. Dr. A. Abraham, Professor & Head of the University Department of Botany, Trivandrum. | Heads of University Departments |
| 13. Shri V. Narayana Pillai, Retd. Principal, University College, Lakshmi Bhavan, Bhakthivilas Road, Trivandrum. | Combined Faculties |

The Syndicate held 12 meetings during the year.

The Faculties

The Faculties, whose term expired, were reconstituted for a period of three years from 1st April, 1964.

The Faculties of Arts, Science, Oriental Studies, Fine Arts, Commerce and Medicine met twice during the year.

The Faculties of Law, Education, Engineering, Ayurveda, Agriculture and Veterinary Science met once during the year.

In connection with the starting of the Pre-degree course from 1964-'65, a joint meeting of the Faculties of Arts, Science and Oriental Studies and another joint meeting of the Faculties of Arts and Oriental Studies were also held during the year.

The Boards of Studies

Two new Boards of Studies, one in Demography and another in Business and Industrial Management, were constituted for a period of three years from 16th June, 1964 and 23rd December, 1964 respectively.

The Board of Studies in Kannada was reconstituted for a period of three years from 1st April, 1964.

The Boards of Studies in Psychology, European Languages, Geology, Home Science, Tamil, Kannada, Islamic Studies, Hebrew and Syriac, Music and Medicine and the Pass Boards in English, History, Economics, Politics, Philosophy, Mathematics, Physics, Chemistry, Botany, Zoology, Malayalam, Sanskrit, Hindi, and Commerce met twice during the year. All the remaining Boards of Studies except the Board of Studies in Marine Biology and Oceanography met once during the year. The Boards of Studies in Marine Biology and Oceanography did not meet.

The Syndicate reports with regret the demise of the following persons:—

- | | |
|------------------------|---|
| 1. Shri K. I. Varghese | Member of the Senate and Principal, Government Training College, Trichur. |
| 2. Shri K. M. Joseph | Member of the Senate. |

LEGISLATION

Statutes

The amendments made to the Statutes of the University by the Senate and assented to by the Chancellor during the year are given as Appendix II.

Ordinances

In accordance with Section 37 (3) of the University Act, the First Ordinances of the University, as approved by Government, were published in the Government Gazette.

CHAPTER II

UNIVERSITY TEACHING

AND

RESEARCH DEPARTMENTS

I. At Trivandrum

1. Department of Economics

Staff

| | | |
|---|---|---|
| Professor and Head of the Department | } | Shri V. R. Pillai, M.A., M.Sc. (Econ) (Lond.) |
|---|---|---|

Readers :

1. Dr. P. G. K. Panikkar, M.A., Ph.D.
2. Dr. E. T. Mathew, M.A., Ph.D.
(Joined on 23-9-1964)

| | |
|----------------------|-----------------------------------|
| Lecturer : | Shri M. A. Oommen, M. A. |
| Research Assistant : | Shri P. R. Gopinathan Nair, M. A. |

Prof. V. R. Pillai proceeded to the United States in September, 1964 as Visiting Professor at Drake University, Iowa State. After one semester at Drake University, he has been making a study of Research Orientation of Industrial Relations Centres attached to Universities in the States. Dr. P. G. K. Panikkar was put in charge of the Department during the absence of Prof. V. R. Pillai.

Shri M. A. Oommen proceeded to Naples in the third week of December, 1964 on an Italian Government Scholarship to undergo training for six months in the Institute of Economic Development Studies, Naples.

Teaching

The department offers instruction for M. A. in Economics and provides facilities for research leading to the Ph.D. degree in Economics. Mathematical Economics is one of the optional subjects offered for M.A.

Students

| M. A. (Economics) (1964-'65) | Men | Women | Total |
|---------------------------------|-----|-------|-------|
| Previous | 5 | 6 | 11 |
| Final | 8 | 2 | 10 |
| | 13 | 8 | 21 |

Research Students: 6

A symposium on "Price Trends and Price Policy" was conducted under the auspices of the Department on 7-11-1964 in which teachers of local colleges and officers of some Government Departments participated. Ten papers dealing with different aspects of the problem were presented on the occasion.

Research

Prof. V. R. Pillai made a study of the finances of local self-governing bodies in Kerala.

Dr. P. G. K. Panikkar completed a study on the measurement of rural unemployment in India.

The progress made by the staff and students in their work during the year is shown below :

| <i>Staff Member/ Research Student</i> | <i>Degree for which registered</i> | <i>Problem under investigation</i> | <i>Progress made</i> |
|--|--|---|---|
| Full-time | | | |
| 1. Shri M. Sasidharan Nair (University Junior Research Fellow) | Ph. D. | Income distribution in Indian Agriculture | Review of back-ground material completed. Formulation of a hypothesis and method of testing it are being worked out |
| 2. Smt. M. Sarala Kumari (University Junior Research Fellow) | Ph. D. | International trade and economic growth with special reference to India | Preliminary survey in progress. |
| Part-time | | | |
| 3. Shri M. A. Oommen | Ph. D. | Small scale Industries in Kerala | First draft of the thesis prepared. |
| 4. Shri G. Krishnan Kutty | Ph. D. | Capital formation in India | Two-thirds of the thesis drafted. |
| 5. Shri K. Ramachandran Nair | Ph. D. | Industrial relations in Kerala | Six chapters of Section I completed. Data collection for Section II in progress. |
| 6. Shri P. Madhusudhana Perumal Pillai | Ph. D. | Balance of payments problem in a Developing Economy with special reference to India | A general survey of the field and development of bibliography completed. |
| 7. Shri C. Narayanan | Ph. D. | Industrial Organisation in Kerala | Collection of data completed. |

Research Projects

(a) *Farm Management Studies*

The project is sponsored by the Directorate of Economics and Statistics, Ministry of Food and Agriculture, Government of India, and is directed by Prof. V. R. Pillai and Dr. P. G. K. Panikkar.

The project is devoted to a detailed study of sample agricultural holdings in Quilon and Alleppey districts covering a period of three years beginning with 1962-'63. It is expected to make available a good lot of detailed information on agricultural production and input-output relationships which will be of immense value in the formulation of agricultural plans and carrying out of extension work.

The scheme was started in September, 1961 and the preliminary operations were completed by February, 1962. Intensive survey began in March, 1963. The technical report covering the first survey year 1962-'63 has been completed and forwarded to the Directorate of Economics and Statistics. It is expected to be published shortly. Field work under the scheme is being continued and is expected to be over by next April. The tabulation and analysis of the data relating to the second year are under way.

Shri P. Bhaskaran Nair, Senior Research Investigator, and Shri V. N. Krishnan Namboothiri, Statistical Assistant of the project, participated in a short Training-cum-Workshop programme organised by the Indian Society of Agricultural Economics at the Agro-Economic Centre, Madras University, Madras.

(b) *An Empirical Study of the Degree of Monetisation in the Rural Sector in Kerala*

The scheme is financed by the Research Programmes Committee of the Planning Commission and is directed by Prof. V. R. Pillai and Dr. P. G. K. Panikkar.

The study attempts a quantitative analysis of the extent of the use of money in the economic transactions in the rural sector in Kerala.

The collection of data covering 240 sample households in 12 selected villages of Trichur, Palghat and Calicut districts for the period 1962-'63 has been completed. Compilation work is over. Tabulation and analysis are in progress.

2. Department of Politics

Staff

| | | |
|---|---|---|
| Reader and Head of the Department | } | Dr. V. K. Sukumaran Nayar, M. A., Ph.D. (Yale) |
| Lecturers : | | 1. Dr. N. Parameswaran Nair, M. A., Ph.D. |
| | | 2. Shri R. Ramakrishnan Nair, M. A., LL. B. |
| | | 3. Dr. N. R. Visalakshi, M. A., M. Litt., Ph. D. |
| Honorary Lecturer and Post-Doctoral Research Fellow (till August 1964) | } | Dr. John W. Spellman, Ph D. (Lond.), F. R. A. S. |
| Research Assistant | | Shri K. Sukumaran Nair, M. A., LL. B. |

Shri N. Parameswaran Nair was awarded the Ph.D. Degree by the Indian School of International Studies for his thesis on "Administration of Foreign Affairs in India".

Courses offered

The Department provides instruction for M.A. course in Politics and facilities for research leading to M.Litt. and Ph.D. Degrees covering branches of Indian and Western Political theory, Political parties, Political behaviour, Indian Government and Public Administration.

Students

| <i>M.A. (Politics)</i> <i>(1964-'65)</i> | <i>Men</i> | <i>Women</i> | <i>Total</i> |
|---|------------|--------------|--------------|
| Previous | 9 | 3 | 12 |
| Final | 13 | 3 | 16 |
| | 22 | 6 | 28 |
| <i>Research Students</i> | | | |
| M. Litt. | 1 | 2 | 3 |
| Ph. D. | 13 | 1 | 14 |
| Post-Doctoral Research | 1 | — | 1 |
| | 15 | 3 | 18 |

All the ten students who were presented from the Department for the M. A. Degree examination in Politics of March-April 1964 were successful—one was placed in the first class, seven in the second class and two in the third class.

Research

By the Teaching Staff: Dr. V. K. Sukumaran Nayar completed his research project on the "Machinery for Planning and Plan Implementation in Kerala" under a research scheme sponsored by the Research Programmes Committee of the Planning Commission. A summary of the report was published in the press and the detailed report has been got ready.

Dr. Sukumaran Nayar participated as a member of the Indian group in the Round Table of the International Political Science Association held at Bombay in January, 1964 and presented a paper on 'Communal Interest Groups and Political Leadership in Kerala'. He is currently engaged in a study of the forthcoming elections in collaboration with Professor Eldersveld, Chairman of the Department of Political Science, University of Michigan, and Shri Rajni Kothari, Director of the Centre for the Study of Developing Societies, New Delhi.

Dr. Sukumaran Nayar has also contributed to a forthcoming book on 'Religion and Politics in South Asia' edited by Prof. Donald E. Smith of the University of Rhode Island, U. S. A.

Dr. Parameswaran Nair is collaborating in the study of the forthcoming general elections in Kerala.

Shri R. Ramakrishnan Nair completed the major part of his Ph. D. thesis on the 'Role of the Swaraj Party in the Indian Legislature'. He also completed a study of "How Communists came to power in Kerala" and it is in the press.

Dr. John W. Spellman (Post-doctoral Fellow) was engaged in a study of "Kerala Politics since Independence". He has completed his field work and is now writing a book on the subject.

Shri K. Sukumaran Nair completed the first draft of his thesis "The Development of Public Administration in Kerala". He collaborated with Dr. Sukumaran Nayar on a study of Panchayat elections in Kerala.

Research was carried out by the students of the Department on the problems noted below against each :

| <i>Name of Research Student</i> | <i>Degree for which registered</i> | <i>Problem under investigation</i> |
|----------------------------------|------------------------------------|--|
| Full-time | | |
| 1. Shri K. Kesava Panicker | Ph. D. | Community Development Administration in Kerala |
| 2. Mr. Henry Reynolds Breck | Ph. D. | Emerging Pattern of Kerala Politics, 1960-'65 |
| 3. Shri K. Sadasivan Nair | Ph. D. | The Congress Party in Kerala |
| 4. Shri V. Gopalakrishnan Nair | Ph. D. | The Organisation of Elections in Kerala |
| 5. Shri J. Darwin | Ph. D. | The Communist Party in Kerala |
| Part-time | | |
| 6. Shri S. Gopakumaran Nair | Ph. D. | The Congress-League Conflict, 1920-'47 |
| 7. Smt. K. Sivakumari | Ph. D. | The Language Issue in Indian Politics |
| 8. Shri K. R. Ramakrishna Pillai | Ph. D. | Political and Administrative Problems of Education in Kerala |
| 9. Shri T. C. Rajan | Ph. D. | Rural Government in Kerala |
| 10. Fr. Joseph Pantholil | Ph. D. | Indian and Western Concepts of Natural Law |
| 11. Shri V. Gangadharan Pillai | M. Litt. | Administrative Problems of State Enterprises in Kerala |
| 12. Smt. K. P. Leela Devi Amma | M. Litt. | Public Health Administration in Kerala |

Kumari Devi Ananda Kusumam, Junior Research Fellow, who was working in the Department, completed her work on the "Legislature in Kerala, 1947-'62".

Overseas Fellowships

Dr. John W. Spellman held a post-doctoral Fellowship from the Overseas Scholarship Foundation, New York—a subsidiary of the Ford Foundation. He relinquished the Fellowship in August, 1964 to accept an Assistant Professorship in the University of Washington, Seattle, U.S.A.

Mr. Henry Reynolds Breck from the United States joined the Department as a Research Fellow. He is holding a research fellowship from the Education Fund, Detroit, which is also a subsidiary of the Ford Foundation.

Symposium

A symposium on "Civil and Human Rights of Minorities in U. S. A. - the Status of the Marginal Man" was held under the Chairmanship of Dr. V. K. Sukumaran Nayar at Trivandrum from 12th to 14th December, 1964. Four American Professors representing the fields of Political Science, Sociology and Economics and about a hundred persons drawn from the teaching staff of local colleges as well as from the ranks of research scholars and post-graduate students participated in the symposium.

Research Projects

1. The project on the "Machinery for Planning and Plan Implementation in Kerala" sponsored by the Research Programmes Committee of the Planning Commission and directed by Dr. V K. Sukumaran Nayar with the assistance of two Research Officers, Shri V. Gangadharan Pillai and Shri N. Chandrasekhara Pillai, was completed during the year.

2. A project on the study of the forthcoming elections in Kerala has been started from October, 1964. The project is a joint venture of the University of Kerala, the University of Michigan and the Centre for the Study of Developing Societies, New Delhi. The Rockefeller Foundation has given a grant of 6,400 dollars for the study.

3. Department of Psychology

Staff:

| | |
|--------------------------------------|---|
| Reader and Head of the Department | } Dr. E. I. George, M A, Ph.D (Lond.), A.B Ps S. (England) |
|--------------------------------------|---|

| | |
|------------|-------------------------------------|
| Lecturers: | 1. Dr. P. Gopala Pillai, M A., Ph D |
| | 2. Dr. K. Devadassin, M A., Ph D. |

| | |
|----------------------|--------------------------------------|
| Research Assistants: | 1. Shri Joseph I. Thomas, M A. |
| | 2. Shri P. A. Abraham M A., M Ed |
| | 3. Shri V. Pamachandran Nair, M.A. |
| | 4. Shri V. George Mathew, M A. |
| | 5. Shri P. N. Oommen Tharakan, M.Sc. |

Courses offered

The Department offers M. A. course in Psychology and provides facilities for research leading to M. Litt. and Ph.D. Degrees in the various branches of Psychology—Personality, Clinical Psychology, Educational and Vocational Guidance, etc.

Students

| M. A. (Psychology) (1964-'65) | Men | Women | Total |
|----------------------------------|-----|-------|-------|
| Previous | 4 | 6 | 10 |
| Final | 3 | 5 | 8 |
| | 7 | 11 | 18 |

Research Students : 8 (Full-time 2 ; Part-time 6)

All the 7 students presented from the Department for the M. A. degree examination in Psychology of March–April 1964 passed—1 in the first class and all the others in the second class.

Research activities

Research was carried out by the staff and students of the Department on the problems noted below against each :

| <i>Name of Staff Member/ Research Student</i> | <i>Degree for which registered</i> | <i>Problem under investigation</i> | <i>Progress made</i> |
|---|--|---|---|
| 1. Dr. E. I. George | | <p>A programme of research analysing the effect of 10 year and 11 year schooling on the achievement of school children</p> <p>A psychological study of the role of personality and intellectual factors in academic achievement</p> | <p>Analysis of data nearing completion.</p> <p>The scheme of research has been accepted for implementation. Pilot study just commenced.</p> |
| 2. Dr. P. Gopala Pillai | | Factional composition of a test of general ability at two age levels | Data being collected. |
| 3. Dr. K. Devadasan | | Validity of an association test | Data being collected. |
| 4. Shri P. A. Abraham | Ph.D. | An experimental study of certain personality traits and achievement of secondary school pupils | Pilot study being completed. |
| 5. Shri Joseph E. Thomas | Ph.D. | Validation and standardisation of the Hs and D scale of the M. M. P. I. standardisation of the Hs scale of the M.M.P.I | Experimental work completed. |
| 6. Shri V. Ramachandran Nair | Ph.D. | A socio-psychological analysis of criminals in Kerala | Data collected. |

| <i>Name of Staff Member / Research Student</i> | <i>Degree for which registered</i> | <i>Problem under investigation</i> | <i>Progress made</i> |
|--|--|--|---|
| 7. Shri P. N. Oommen Tharakan | Ph.D. | A prognostic study of engineering aptitude. | Data being processed. |
| 8. Shri V. Ramachandran Nair and Shri P. N. Oommen Tharakan | | Practice effect on static ataxia | Data collected. |
| 9. Shri V. George Mathew | Ph. D. | 1. A comparative study of the personality trait patterns of professional students 2. Study of colour preference and occupational choice | Pilot study in progress. Data collected. |
| 0. Smt. Martha Thomas | Ph. D. | An analytical study of Juvenile Delinquency in Kerala | Preliminary work completed. |
| 1. Shri B. Dharmangadan | Ph. D. | Creativity in School children - an analytical study | Tests of creativity being made. |
| 2. Shri A. G. Oliver | Ph. D. | Relationship between ascendance submission and certain other personality traits | Pilot study being completed. |

4. Department of Education

Staff

Professor and Head of the Department } Dr. N. P. Pillai, M A., Ph. D. (B'ham.)

Readers: 1. Mrs. Elizabeth Zachariah, M A., M Ed.
2. Smt. M. A. Thankamma, M. A., M. Ed.

Lecturers: 1. Smt. Pushpita John, M. A., M. Ed.
2. Shri K. Aiyappan Nair, M. Sc.

Dr. N. P. Pillai has been nominated as a member of the State Advisory Board of Education.

Dr. N. P. Pillai served as a member of the General Inspection Commission appointed by the University of Madras for the inspection of Training Colleges affiliated to that University.

Smt. M. A. Thankamma, Reader, attended the Workshop on Practice Teaching held in the Regional College of Education, Mysore.

Smt. Pushpita John has been deputed by the University for higher studies in London for a period of one year from September, 1964.

Courses offered

The Department provides instruction for M. Ed. course and offers facilities for research leading to Ph. D. in the Faculty of Education.

The strength of the M. Ed. class has been raised from 20 to 30.

Students

| | Men | Women | Total |
|-------------------|-----|-------|-------|
| M. Ed. (1964-'65) | 19 | 11 | 30 |

Of the 30 students admitted, 12 have opted for Psychometrics, 8 for Teacher Education and 10 for Educational Administration as their elective group.

Twenty three students appeared for the M. Ed. Degree Examination of March-April 1964, of whom 21 passed—5 in the first class and 16 in the second class.

Nineteen candidates who had passed Part I of the M. Ed. Degree examination held in March-April 1963 or earlier were declared to have passed Part II—Thesis.

Research Students

Of the seven research scholars on the rolls, five were full-time and two part-time. The subjects offered for theses by the research scholars are given below:

| <i>Name of Research Student</i> | <i>Degree for which registered</i> | <i>Subject of thesis</i> |
|--|------------------------------------|---|
| Full-time | | |
| 1. Dr. Mohan Mathew (Post-Doctoral University Senior Research Fellow) | | An investigation into the personal, educational and vocational problems of the high school boys of Trivandrum City |
| 2. Shri K. J. Joseph (University Junior Research Fellow) | Ph. D. | Teacher education for secondary schools in Kerala |
| 3. Smt. Vasantha Ramkumar (University Junior Research Fellow) | Ph. D. | Self concept and achievement in school subjects of prospective university entrants |
| 4. Smt. G. Kamalamma (University Junior Research Fellow) | Ph. D. | History and problems of primary education in Kerala |
| 5. Shri K. Sivadasan Pillai (U. G. C. Scholar) | Ph. D. | An investigation into the change in the content and scope of the primary and secondary school curriculum during the last 30 years (since 1934) in the Kerala State to ascertain how far these have been helpful to the raising of standards |
| Part-time | | |
| 6. Shri S. Rajappan Nair | Ph. D. | The socio-economic status and family pattern of graduate teachers in Trichur District |
| 7. Shri R. Valsakumar | Ph. D. | A comparative study of the quality of entrants to the teaching profession and the methods employed in teacher selection |

Shri K. J. Joseph, Research Student, was included in a three member team from India to visit U. S. A. at the invitation of the American Consulate General on behalf of the American National Students' Association. After a five weeks' tour from 15-10-1964, he rejoined the Department on 28-12-1964

Extra-curricular activities

The staff and students of the Department participated in the Seminar on Education and Democracy and the Seminar on Student Personal Services held in Trivandrum in January-February 1964.

The M. Ed. Students' Association was inaugurated on 19-8-1964 by Shri Alexander Parambithara, the then Speaker of the Kerala Legislative Assembly. The annual study tour was conducted from 1-11-1964 to 15-11-1964.

Research and Publications

1. The Research Fellows of the Examination Research Unit in the Department were engaged in constructing new type tests for the three year B. A. / B. Sc. classes till February, 1964

The syllabus in each subject in the degree classes was itemised and the objectives and behaviour patterns specified. These were printed along with a questionnaire and sent to all the colleges to elicit their reaction to the various items included in or excluded from the syllabus in each subject and the weightage to be given in the teaching of each topic and sub-topic.

The responses received from the colleges were duly itemised under the supervision of Dn V M Kuriakose, Research Officer, who assumed charge on 17-4-1964. On the strength of the replies received from the Lecturers in the subjects concerned, reports were prepared and copies sent to the University for circulation among members of the Boards of Studies to help them in drafting the new syllabi. The construction of test items for B A B Sc has since been discontinued in view of the possible changes in syllabi and on account of the relief of all the research fellows (on their request) except Shri K V Joseph and Shri V. S. Vaidyanatha Iyer. Those who continue are now engaged in constructing tests for the Pre-degree classes

2. The report of the Conference of Training College Teachers on Teacher Education held in the Department in November, 1964 was

printed and published on 17-11-1964 as Bulletin No. 2 of the "Studies in Education" from the Department of Education.

3. The report of the research scheme sponsored by the National Council of Educational Research and Training, viz., "An Investigation into the Organisational and Administrative Factors which affect Achievement of Pupils in Secondary Schools" was submitted to the National Council of Educational Research and Training, Government of India, on 18-11-1964.

4. *Forum of Educational Research and Studies*

Meetings of the Forum of Educational Research and Studies were held every second Saturday. Many problems of Education have been taken up for research under its auspices. The following three bulletins have been published :—

1. Inauguration of the FERSK
2. The Organisational Pattern of Education
3. Statement on "The Concept of Falling Educational Standards"

Two more bulletins, one on the "S. S. L. C. Examination Question Papers of March 1964" and the other on the "Accommodation and Facilities in Primary and Secondary Schools" have been prepared and will be released shortly. The reports have been sent to the Director of Public Instruction and the State Advisory Board of Education for necessary action.

The FERSK at its meeting on 29-8-1964 held a symposium on "The Desirability of Education being a Concurrent Subject". The papers read and the discussion on them will be released as a bulletin.

General

Dr. N. P. Pillai attended the Seminar on Research Approaches to the School and Class room, and the Committee to consider problems in Teaching and Research in Educational Sociology held in Delhi from 18th to 23rd March, 1964. He also participated in the Annual Convocation and in the Symposium on Alumni Association of the Regional College of Education, Mysore, in May 1964 and presented a paper "Alumni Association in Training Colleges".

5. Institute of English

The Institute was shifted to Travandrum from Kottayam on 13th June, 1964 and is housed temporarily in the Women's Hostel Campus.

Staff

| | |
|-------------|--|
| Readers : | 1. Shri C. P. K. Tharagan, B.A. (Hons.), L.T. (In charge of the Institute) |
| | 2. Dr. K. P. Karunakara Menon, M.A., Ph.D. |
| Lecturers : | 1. Dr. M. Manuel, M.A., Ph.D. |
| | 2. Shri N. A. Karim, M.A., B.T. |

Miss A. E. Stringer, Professor of English, left the services of the Institute in June, 1964 on the expiry of the term of contract of her appointment. Mrs. S. Nagalakshmi, Lecturer in English, also left the Institute in June, 1964 to take up an appointment in the Central Institute of English, Hyderabad.

Courses offered

1. Diploma in English
2. M.A. Course in English Language and Literature—newly started during the year.

The Diploma Course in the Teaching of English has been suspended for one year from July, 1964.

Facilities for research leading to M. Litt. and Ph.D. in English language and literature are also provided in the Institute.

Students

| Course (1964-'65) | Men | Women | Total |
|-----------------------------|-----|-------|-------|
| 1. Diploma in English | 9 | 13 | 22 |
| 2. M. A. (Previous) English | 9 | 3 | 12 |
| | 18 | 16 | 34 |

To enable the diploma students to obtain teaching practice, evening classes in English are held from 5 p.m. to 7 p.m. in the Institute.

Distinguished Visitors

Dr. Hall, American Professor, Poet, Novelist and Critic paid a visit to the Institute in August, 1964 and delivered a lecture on "The American Literary Scene".

Mr. and Mrs. L. A. Hill visited the Institute in October, 1964 and Mr. Hill gave a demonstration of "Picture Composition" and followed it up with a lecture on "Contextual Teaching of Language".

6. Department of German

Lecturer : Mr. Manfred Turlach

Smt. Celine Mathew (Lecturer, Intermediate College, Trivandrum) who returned after undergoing a training course for Teachers in German at the Goethe Institute, Munich, was appointed as part-time Lecturer in German in the Department from 1-12-1964.

Courses offered

1. Certificate Course in German
2. Diploma Course in German

Students

| | <i>Men</i> | <i>Women</i> | <i>Total</i> |
|-------------------------------------|------------|--------------|--------------|
| <i>Certificate Course in German</i> | | | |
| 1963-'64 batch | 18 | 6 | 24 |
| 1964-'65 batch | 30 | 8 | 38 |
| <i>Diploma Course in German</i> | | | |
| 1963-'64 batch | 4 | 1 | 5 |
| 1964-'65 batch | 9 | 4 | 13 |

The Lecturer continued to conduct classes in German for the M.Sc.(Engineering) students of the College of Engineering, Trivandrum.

Out of the 14 students presented for the Certificate examination in German held in December, 1964, 12 students passed—5 in the first class, 4 in the second class, and 3 in the third class.

The two students presented for the Diploma examination in German held in October, 1964 passed the examination—one in the first class and the other in the third class.

Library

The Library contains works of major German poets, many works on German culture and history, some German books on Indian culture and history, some German translations of Indian works and

easy reading tests. A few German books on various science subjects have been added so that the students from other departments can have first reading of German literature in their respective subjects under the guidance of the Department. The library has been built up with the object of starting post-diploma courses in German and contains 1,120 volumes. Two hundred valuable books were received as gift from the "Deutsche Forschungs-Gemeinschaft (DFG - ie. German Research Association)" during the year. The DFG supplies the Department with 4 German journals.

Under the auspices of the Department the following public lectures were held during the year :-

| Subject | Lecturer |
|--|---|
| 1. Two Aspects of Thinking in German Philosophy | Dr. Erithjof Rodi, Assistant Professor of Philosophy, University of Tuebingen |
| 2. The East-West Conflict from the German and Berlin Point of View | Dr. C. C. Schweitzer, Professor of Political Science, Free University of Berlin. |
| 3. West German Economic Reconstruction, an Expansion | Dr. Reimut Jochimson, Professor of Economics, University of Kiel. |
| 4. Agriculture and Social Changes | Dr. Friedrich W. Fuss, South Asia Institute of Heidelberg University, West Germany. |

In co-operation with the Max Mueller Bhavan, Madras, the drama "Do you know the Milky Way?" by Karl Wittlinger was staged by a troupe of actors of "Die Bruecke".

7. Department of Mathematics and Statistics

Staff

| | |
|--------------------------------------|--|
| Professor and Head of the Department | Dr (Miss) A. George, M.Sc., Ph.D. |
| Reader in Statistics | Dr R. Krishna Pillai, M.A., M.Sc., Ph.D. |
| Reader in Demography | Dr N. Krishnan Nambodiri, M.A., M.Sc., Ph.D. |

| | |
|---------------------------|--|
| Reader in Mathematics : | Dr. B. R. Srinivasan, M.Sc., Ph.D. |
| Lecturer in Demography : | Shri R. Ramakumar, M.Sc., M.S. |
| Lecturer in Mathematics : | Shri P. Ramankutty, M.Sc. |
| Research Officers : | 1. Shri P. S. Janardhanan Nayar, M.Sc. 2. Shri Thomas Tharakan, M.Sc. (On deputation to U.S.A. from 5-8-1964) 3. Shri K. Kumaran Kutty, M.Sc. |

Dr. (Miss) A. George, Professor of Statistics, was invited by the German Academic Exchange Service to visit German Universities and participate in the Conference of the Fifth International Phonetic Science at Munster and the German Statistical Association at Munich. She went to Germany on 30-8-1964 and returned on 30-10-1964. During her absence Dr. R. Krishna Pillai, Reader in Statistics, was in charge of the Department.

Shri K. Kumaran Kutty, Research Officer, who was deputed to undergo a seven months' course on "Probability Theory, Mathematical Statistics and their applications" rejoined on 4-6-1964. The course was organised by the UNESCO in collaboration with the Hungarian Academy of Sciences at Budapest. Shri Kumaran Kutty was one of the two candidates from India selected by the Government of India to undergo this course.

Teaching

The Department provides instruction for M.Sc. courses in Statistics and Demography.

The Department continued to provide instruction in Statistics for the post-graduate students of the University Departments of Economics and Psychology.

A one year evening course in Statistics was conducted in the Department during the year, as in the previous year, under the joint auspices of the Indian Statistical Institute, Calcutta and the University.

Students

| <u>M. Sc. (Statistics)</u> <u>(1964-'65)</u> | <i>Men</i> | <i>Women</i> | <i>Total</i> |
|---|------------|--------------|--------------|
| Previous | 9 | 6 | 15 |
| Final | 4 | 7 | 11 |
| | 13 | 13 | 26 |

| <u>M. Sc. (Demography)</u> <u>(1964-'65)</u> | | | |
|---|---|---|---|
| Previous | - | 1 | 1 |
| Final | 2 | 1 | 3 |
| | 2 | 2 | 4 |

Research Students: 8

Of the 13 students presented from the Department for the M. Sc. Degree examination in Statistics of March-April, 1964, all except one passed—1 in the first class, 7 in the second class and 4 in the third class.

Research activities

For the development of research and post-graduate teaching in Mathematics, a separate section was newly started in the Department in 1963. During the year under report Dr. B. R. Srinivasan and Shri P. Ramankutty were appointed in the Department as Reader and Lecturer in Mathematics respectively.

Shri K. Kumaran Kutty, Research Officer, is doing research on 'Statistical Inference' for Ph. D. degree

The details of the research work undertaken by the research students for Ph. D. degree are given below -

| <u>Name of Research Student</u> | <u>Problem under investigation</u> |
|---------------------------------|--|
| Full - time | |
| 1. Shri V. John Kurien | Testing of Homogeneity |
| 2. Smt. V. Sakunthala Bai | Theory of Information |
| 3. Shri J. Sundara Raja | Multivariate Analysis |
| 4. Shri N. M. Lalu | Statistics with specialisation in Demography |

Part-time

| | |
|----------------------------|--|
| 5. Shri Y. Sankaran | Pure Mathematics |
| 6. Shri S. Raman | Medical Statistics |
| 7. Shri A. S. Pankajakshan | Design of experiments and sample surveys |

Smt. V. Sakunthala Bai and Shri John Kurien left the Department on 5-4-1964 and 4-6-1964 respectively on the expiry of the scholarships sanctioned to them.

Other activities**(i) Educational Statistics Unit**

As in previous years the work relating to the collection, compilation and consolidation of statistics in respect of the colleges and other institutions under the University was carried out by the Department.

(ii) Demographic Unit

Research work is being carried out by the staff of this unit.

The field and laboratory assistants working in the Unit have conducted a Socio-Economic Survey of the Tribes in the State on behalf of the Kerala, Census Department. The report on this is being finalised for publication.

The Unit has carried out a field study on 'Growth of Families in Trivandrum' and a preliminary report of the study is nearing completion.

(iii) Examination Research Unit

In view of the fundamental importance of the subject, it was felt that research on Examination should be organised on a broad basis. The Professor of Statistics and the Professor of Education were requested to prepare jointly a scheme for a five year project. The scheme submitted by them was accepted by the University and an "Examination Research Unit" with 1 Research Officer and 3 Analysts was formed in the Department. The Unit is under the supervision and guidance of the Professor of Statistics.

The Unit conducted a detailed statistical study on the assessment of the standard of valuation of examiners and the standard of performance of colleges in the Pre-University examination of April, 1960. The report has been finalised.

The preliminary report on the statistical analysis of achievement tests to standardise objective test items has been completed.

(iv) A scheme for the evaluation of the Family Planning Communication Research Programme was started in the Department during the period under report and it is in progress.

9. DEPARTMENT OF CHEMISTRY

(A) Organic, Inorganic and Physical Chemistry Division

Staff

| | |
|--------------------------------------|--|
| Reader and Head of the Department | Dr. R. Anantaraman, Ph.D. (Lond.) A. R. J. C. (Lond.) |
| Reader in Inorganic Chemistry | Dr. P. T. Joseph, M.Sc., Ph.D. (Wayne State) |
| Lecturers: | 1. Shri John Abraham, M.Sc. 2. Shri P. K. Oommen, M.Sc. 3. Dr. C. P. Joshua, M.Sc., Ph.D. 4. Dr. G. M. Devasia, M.Sc., Ph.D. 5. Dr. C. G. Ramachandran Nair, M.Sc., Ph.D., I.L. Sc. 6. Dr. D. J. Francis, M.Sc., Ph.D. |

Research Officer: Smt. P. Saradamma, M.Sc.

During the year Shri John Abraham and Shri P. K. Oommen joined the Mc. Master University, Canada, for the Ph.D. degree. Dr. C. P. Joshua was granted leave for joining the University of Adelaide on a C. I. B. A. scholarship.

Courses offered

The Department provides instruction for M.Sc. course in Analytical Chemistry and offers facilities for research leading to Ph.D. degree in Chemistry in the three fundamental branches - Organic, Inorganic and Physical Chemistry.

Students

| M.Sc. (Analytical Chemistry) (1954-'65) | Men | Women | Total |
|--|-----|-------|-------|
| Previous | 5 | 2 | 10 |
| Final | 7 | 1 | 8 |
| | 12 | 3 | 15 |

Research Students - 4

Of the six students presented for the M.Sc. Degree Examination in Analytical Chemistry of March, 1964, 1 secured a first class and the rest second class.

Research activities

Research was carried out by the staff and students of the Department on the problems noted below against each :

| <i>Name of Staff Member / Research Student</i> | <i>Degree for which registered</i> | <i>Problem under investigation</i> |
|--|--|--|
|--|--|--|

(i) Organic Chemistry

- | | | |
|--|-------|--|
| 1. Dr. G. M. Devasia (Lecturer) | | Synthesis of amino-acids |
| 2. Smt. P. Saradamma (Research Officer) | Ph.D. | 1. Constitution of alkaloids from Cyclea burmanni 2. Triterpenes from Rhabdia lycioides |
| 3. Shri N. Ramiah (Senior Research Fellow) | Ph.D. | Triterpenes from Barringtonia racemosa |

(ii) Inorganic Chemistry

- | | | |
|---|-------|--|
| 4. Dr. P. T. Joseph (Reader) | | 1. Complex compounds of the second transition series of elements 2. Separation of Hafnium from Zirconium present in Zirconium bearing materials |
| 5. Dr. C. G. Ramachandran Nair (Lecturer) | | 1. Chemical behaviour of sulphur and phosphorous compounds 2. Inorganic circular paper- chromatography |
| 6. Shri P. Madhava Kaimal (Government of India Research Scholar) | Ph.D. | Use of Cerium (iv) as an oxi- dising agent for organic com- pounds |

| <i>Name of Staff Member/ Research Student</i> | <i>Degree for which registered</i> | <i>Problem under investigation</i> |
|---|--|--|
|---|--|--|

(iii) Physical Chemistry

| | | |
|---|-------|---|
| 7. Dr. R. Anantharaman (Reader) | | Determination of formation constants of complex formation between $HgCl_2$ and Cl^- in aqueous organic solvents |
| 8. Dr. D. J. Francis (Lecturer) | | Kinetics and mechanism of the reaction of phenols with formaldehyde |
| 9. Kumari K. Saramma (University Senior Research Fellow) | Ph.D. | Electrophilic catalysis in solvolytic reactions (Thesis submitted in July, 1964) |
| 10. Shri M. Rajasekharan Nair (Government of India Research Scholar) | Ph.D. | Electrophilic catalysis in solvolytic reactions - Solvolysis of P-alkyl phenyl ethyl chlorides under study |

Research schemes

The University Grants Commission has sanctioned financial assistance for the following research schemes

| <i>Scheme</i> | <i>Investigator-in-charge</i> |
|---|-------------------------------|
| 1. Synthesis of amino-acids and their derivatives through 2, 11-disubstituted 2-imidazolin-5-ones | Dr. G. M. Devasia |
| 2. Hyper conjugation and the Baker-Nathan Effect | Dr. R. Anantaraman |

(B) Division of Biochemistry

Staff

| | |
|--------------------|------------------------------------|
| Reader : | Dr. P. Achutha Kurup, M.Sc., Ph.D. |
| Instructor : | Shri J. Mohan Das, M.Sc. |
| Research Assistant | Shri R. Kalyasa Raj, M.Sc. |

The Division has facilities for research leading to Ph.D. Degree in Biochemistry.

Research activities

Research students: 3

A brief account of the research activities of the staff and students is given below:-

| <i>Name of Staff Member/ Research Student</i> | <i>Degree for which registered</i> | <i>Problem under investigation</i> | <i>Progress made</i> |
|---|--|--|--|
| 1. Dr. P. Achutha Kurup (Reader) | | 1. Phospholipase A of the venom of Hetero- metrus Scaber | The phospholipase A present in the venom has been purified and detailed investigations on the enzyme are in progress. |
| | | 2. Biochemical investiga- tions on Heterometrus Scaber | Glucose and trehalose have been shown to be carbohydrate components of the haemolymph of Heterometrus scaber, while no trehalase activity could be detected. |
| 2. Shri J. Mohan Das (Instructor) | | Antibiotic from the leaves of Withania Somnifera | The antibiotic was further purified and the mechanism of its antibacterial action is being investigated. The antibacterial activity is inhibited by-SH compounds like cysteine and glutathione. Glucose-6-phosphate dehydrogenase is inhibited by the antibiotic. |
| 3. Shri R. Kaleyasa Raj (Research Assistant) | Ph. D. | Anthelmintic principle of Butea Frondosa Seeds | Two anthelmintic substances, one highly active, have been isolated from the seeds. The chemical nature, anthelmintic activity, pharmacological action and mechanism of anthelmintic action are being studied. The more active substance is an organic acid and shows pronounced anthelmintic activity against round worms. |

| <i>Name of Staff Member/ Research Student</i> | <i>Degree for which registered</i> | <i>Problem under investigation</i> | <i>Progress made</i> |
|--|---|--|---|
| Research Students <i>Full-time</i> | | | |
| 4. Shri G. Radhakrishnan Poiti (Government of India Research Scholar) | Ph. D. Antibiotics | | An active phenolic fraction, which inhibits the growth of many Grampositive organisms, has been isolated from the root bark of Calophyllum-inophyllum Purification and study of this substance are in progress. |
| <i>Part-time</i> | | | |
| 5. Shri P. K. Oommen | Ph. D. Venom of Heterometrus Scaber | | The toxic principle in the venom has been purified and found to be a protein. Detailed investigations on this toxic protein are in progress. |
| 6. Shri N. Chittaranjan Nair | Ph. D. Biochemical investi- gations on tapioca tuber | | An inhibitor of phosphorylase activity has been found to be present in the rind of the tuber. The isolation of this substance in a pure state and its inhibitory action are being studied. |

Research Scheme

Dr P. Achutha Kurup is in charge of the research scheme "Enquiry on the anthelmintic principle of the seeds of *Butea Frondosa*". The scheme is financed by the Indian Council of Medical Research, New Delhi.

9. Department of Geology

Staff

| | |
|--|---|
| Reader and Head of the Department } | Shri K. Kunjunni Menon, M.S. (Yale) |
| Lecturers : | 1. Shri P. K. Rajendran Nair, M.Sc., A. I. S. M. |
| | 2. Shri Raju Philip, M. Sc. |
| Research Officer : | Shri K. V. Krishnan Nair, M Sc. |

The two Lecturers were appointed in August, 1964.

Teaching

The Department provides instruction for M. Sc. Geology.

Students

| M. Sc. (Geology) 1964-'65 | Men | Women | Total |
|------------------------------|-----|-------|-------|
| Previous | 6 | - | 6 |
| Final | 5 | - | 5 |
| | 11 | - | 11 |

The first batch of M. Sc. Previous students (1963-'64 batch) were given two months intensive training in topographic survey in April and May 1964 at the College of Engineering, Trivandrum. Shortly following this they were given training in geological mapping work for a period of three weeks. For this, an area of about 50 square miles near Trivandrum located between Kovalam and Poovar was selected. The students were grouped into two, and each group was allotted one half of the area. The training was conducted under the supervision of Shri P. K. Rajendran Nair, Lecturer in Geology. The laboratory work and the preparation of the report are in progress.

All the students were taken on a study tour to places of geological interest in South India such as Ariyallur, Neyveli, Rayalcheruvu and Kolar in December, 1964. A good collection of interesting specimens for the museum was made.

Research

Two of the staff members have taken up problems for research and covered preliminary part of the work.

10. Department of Botany

Staff

| | |
|---|--|
| Professor and Head of the Department } | Dr. A. Abraham, M. A., M. Sc., Ph. D. F. A. Sc., F. B. S. |
| Reader : | Dr. C. A. Ninan, M. Sc., Ph. D., F. B. S. |
| Lecturers : | 1. Shri P. M. Mathew, M. Sc. |
| | 2. Dr. (Mrs.) Susan Abraham, M. Sc., Ph. D. |

- Research Officers :
1. Shri K. Ramachandran, M. Sc.
 2. Shri J. Christopher, M. Sc.
(relieved on 9-11-1964)
 3. Shri P. Gopinathan Nair, M. Sc (Agt.)
- Farm Superintendent . Shri P. K. Sadasnanda Panicker, M. Sc.
(Joined on 1-4-1964).

Dr. (Mrs.) Susan Abraham proceeded to the United States on 2nd August, 1964 for a period of one year to undertake post-doctoral research work on radiation genetics. She has been awarded a Fellowship for one year by the American Association of University Women. She will spend most of her stay in the United States in the Brookhaven National Laboratory and also visit centres of advanced research in Genetics in U. S. A.

Research Schemes

1. The scheme on artificial culturing of coconut embryos wholly financed by the Indian Central Coconut Committee, continued to function in the year. Interesting results on the development of the endosperm in coconut were obtained.

2. The scheme of research on the genetical effects of natural radiation from the monazite sands of Kerala financed wholly by the United States P. L. 480 funds is also progressing. Shri J. Christopher, M. Sc., Research Officer in the scheme, was relieved on 9-11-1964 to take up appointment as Lecturer in Botany in the University Centre at Calicut.

3. Prof. A. Abraham continued to be the Special Supervising Officer for the combined scheme of research on Tapioca and other Tuber Crops jointly financed by the I. C. A. R. and the State Government.

Research Students

During the period under report, two U. G. C. Research Fellows, two University Research Fellows, one U. G. C. Research Scholar and four Government of India Research Scholars were working in the department for the Ph. D. Degree. In addition, four others were also doing part time work for the Ph. D.

The main lines of research continued to be cytology, genetics and plant breeding and notable progress has been made in these lines.

The nature and progress of work done by the staff and students during the year are given below.

| Name of Staff Member/ Research Student | Degree for which registered | Problem under Investigation | Progress made |
|---|-----------------------------------|---|--|
| 1. Dr. C. A. Ninan | 1. | 1. Cyto-taxonomy and phylogeny of ferns | Cytology of endosperm in a few varieties of dwarf coconuts was studied. Chromosome number in one species of <i>Lycopodium</i> was deter- mined. |
| | 2. | 2. Cyto-genetic investi- gations on coconut | |
| 2. Shri P. M. Mathew | Ph. D. | 1. Study of apogamy in ferns | Cytology of 5 species of apogamous ferns was studied. Studies on gameto- phytes of the above species are in progress. Karyotype studies on one species each of <i>Encephelartos</i> and <i>Cycas</i> were made. |
| | 2. | 2. Cyto-genetic investi- gations on Gymno- sperms | |
| 3. Dr. (Mrs.) Susan Abraham | 1. | 1. Studies on sponta- neous and induced mutations | Completed the studies on the em- bryology of <i>Haplothesmia</i> . (At present doing advanced research in radiation genetics in the Brookhaven National Laboratory, U. S. A.) |
| | 2. | 2. Anatomical and embryological studies on <i>Haplothesmia</i> | |

| Name of Staff Member, Research Student | Degree for which registered | Problem under investigation | Progress made |
|---|-----------------------------------|--|--|
| 1. Prof. R. Solomon (Udy. Senior Research Fellow) | Ph. D. | Wood anatomy of soft woods of Kerala | Detailed investigations of the wood anatomy of <i>Martius malabarica</i> , <i>Bombax malabaricum</i> , <i>Alstonia scholaris</i> , <i>Mangifera indica</i> , <i>Ficus vaviliana</i> and <i>Lophocladum wightianum</i> were undertaken. Results have been prepared for publication. |
| 2. Shri P. I. Kutumbam (U. G. C. Research Fellow) | Ph. D. | Cytogenetic studies on South Indian ferns | Cytology of six species of ferns was studied. Morphology of the sporophytes and gametophytes in four species of <i>Dialium</i> were and three species of <i>Pteridaceae</i> were studied. Two interspecific hybrids in the genus <i>Asplenium</i> have been obtained. |
| 3. Sri K. V. Bhavanesan (Govt. of India Research Scholar) | Ph. D. | Cytogenetic studies on South Indian ferns (<i>Aspidaceae</i>) | Cytological observations were made on twelve species of <i>Aspidaceae</i> ferns. Morphology of the sporophytes and gametophytes of eight species were also studied. |

| Name of Staff Member / Research Student | Degree for which registered | Problem under investigation | Progress made |
|---|-----------------------------------|--|--|
| 7. Smt. Philomena Madhavadian (Govt. of India Research Scholar) | Ph. D. | Cytogenetical studies on Solanaceae | Studied the cytology of 23 species of Solanaceae. Approach grafting of plants of three different genera of Solanaceae was done. Intergeneric and interspecific hybridization in <i>Solanum</i> , <i>Lycopersicum</i> and <i>Capsicum</i> are in progress. So far, seven hybrids of <i>Solanum</i> and <i>Lycopersicum</i> species were obtained. The cytology and morphology of four of the hybrids were also studied. |
| 8. Shri P. N. Chandrasekharan Nair (Govt. of India Research Scholar) | Ph. D. | Cytogenetics of Pulses | Studied the cytology of twenty species of the group Phaseolae. Interspecific and intervarietal crosses were made between different species of inbred <i>Vigna</i> . |
| 9. Shri J. Stephen (Govt. of India Research Scholar) | Ph. D. | Cytology of endosperm in Angiosperms | Carried out cytological investigations of the endosperm in <i>Borassus flabellifer</i> , <i>Oryza sativa</i> , four species of <i>Chlorophytum</i> and <i>Pinanga</i> species. |
| 10. Shri P. K. Abubaker (U. G. C. Research Scholar) | Ph. D. | Cytogenetic investigations | Joined on 5-10-1964. Techniques being studied. |

| Name of Staff Member/ Research Student | Degree for which registered | Problem under Investigation | Progress made |
|---|-----------------------------------|---|---|
| 11. Shri M. V. Henry (City Junior Research Fellow) | Ph D. | Cytogenetic investigations | Joined on 3-10-1964. Techniques being studied. |
| 12. Shri K. Ramachandran (Research Officer) | Ph. D. | (1) Studies of Tuber Crops and related plants (2) Studies on the effect on plants of natural radi- ations from the monazite sands | (1) Thesis will be submitted soon. (2) Monazite has been shown to be a muta- genic agent with a strong somatic effect. Cytological and genetical studies on test materials are in progress. |
| 13. Shri J. Christopher (Research Officer) | Ph D. | Cyto-taxonomy of South Indian grasses | Thesis will be submitted soon. |
| 14. Smt. P. Vatala | Ph D. | Cyogenetics of Orchids | Thesis entitled "Study on the cytology and evolution of Orchidaceae with special reference to orchids of South India" has been submitted. |
| 15. Shri P. Gopinathan Nair (Research Assistant) | Ph.D. | Studies on coconut | Studies on cytology and development of endos- perm in different varieties of coconuts and in vitro growth studies on hybrid embryos are in progress. |

11. Department of Pharmacognosy

Staff

| | |
|--------------------|------------------------------|
| Reader : | Shri K. Narayana Aiyer, M.A. |
| Research Officer : | Smt. M. Kolammal, M.Sc. |

Smt. A. Jagadamma, M. Sc. was appointed as Assistant to the Pharmacognosy Officer in March 1964.

The Pharmacognosy scheme is primarily concerned with the publication in series of pharmacognostic accounts of Ayurvedic drugs of vegetable origin, especially with reference to Kerala. The publication facilitates the correlation of Ayurvedic drugs to their botanical sources or their substitutes. It deals with the scientific study of the plants and their parts used in medicine with suitable illustrations in black and white and natural colour. So far, seven numbers of the series have been published which contain the Ayurvedic notes of 68 Ayurvedic drugs and pharmacognostic accounts pertaining to 127 source plants.

The printing of the 8th number of the Pharmacognosy series has been completed and it has been released. It gives data pertaining to ten drugs, viz., Agati, Aparajita, Brahmi, Aswagandha, Vellantaran, Aragvadhah, Vridhadaraka, Chakramardha, Kasamardha and Sati, involving the descriptions of 15 source plants with the anatomy of their officinal parts. This volume contains 3 illustrations in natural colour and 22 in black and white.

12. Department of Tamil

Staff

| | |
|--|--|
| Reader and Head of the Department } | Dr. V. I. Subramoniam, M. A., Ph. D. (Indiana, U. S. A.) |
| Lecturers: | 1. Dr. S. V. Subramanian, M. A., Ph. D. 2. Shri K. Subramony, M. A. |
| Research Assistant : | Shri M. Elayaperumal, M. A., M. Litt. |
| Junior Research Assistant } | Smt. S. R. Krishnambal, B. A. |

Courses Provided

The Department provides instruction for M. A. Tamil and offers facilities for research leading to M. Litt. and Ph. D. Degrees in Tamil in the Faculty of Oriental Studies.

Students

| M. A. (Tamil) (1964-65) | Men | Women | Total |
|----------------------------|-----|-------|-------|
| Previous | 3 | 1 | 4 |
| Final | ~ | 2 | 2 |
| | 3 | 3 | 6 |

Research Students 10 (6 for Ph. D and 2 for M. Litt)

Six candidates were presented from the Department for the M. A. Degree examination in Tamil of March-April 1964. All of them passed - 5 in the first class and one in the second class.

Research activities

The Department has undertaken the task of working out the grammar and preparing an index and translation of the Sangam classics. The work on four classics has been completed. For the remaining five classics work is in various stages of completion.

(i) By the Staff

Dr. V. I. Subramoniam, besides preparing for the press his grammar of *Puranaanuru*, is working out the grammar of spoken Tamil for the Government of India.

Dr. S. V. Subramanian is working out the Syntax of *KuRuntokai* and has collected the figures of speech from *Alankara Sutra* in Tamil.

Shri K. Subramony continues to collect the historical information found in the Sangam Literature.

Shri M. Elayaperumal continues his work on *VimbuRanuru*.

Smt. S. R. Krishnambal has been revising her index of *KuRuntokai*.

(ii) By the Students

Research was carried out by the research students of the Department on the problems noted against each.

| <i>Name of Research Student</i> | <i>Degree for which registered</i> | <i>Problem under investigation</i> |
|-------------------------------------|------------------------------------|--|
| 1. Shri T. Velavan | Ph.D. | Grammar of Kambaramayana |
| 2. Shri A. Dhamotharan | Ph D. | Grammar of Thirukkural |
| 3. Shri Veerasami Venkatasalam | Ph.D. | Grammar of Periapuranam |
| 4. Shri R. Paneerselvam | Ph.D. | The Tamil Inscriptions of the 7th, 8th and 9th Centuries. (Has collected and indexed about 300 inscriptions) |
| 5. Shri A. Govindan Kutty | Ph.D. | Syntax of Kambaramayana |
| 6. Smt. L. Gloria Sundaramathy | Ph D | Evaluation and Evolution of Sangam Literature |
| 7. Shri N Rajagopal | Ph D. | The Language of Apper Devaram |
| 8. Shri P. R. Subramoniam | Ph.D. | Folklore of South India |
| 9. Shri M. E. Manickavasagam Pillai | M.Litt. | Social, Political and Economic life of the Chera country as gleaned out of the Tamil Literature of the Sangam Age (submitted thesis) |
| 10. Shri S. Gnanamuthu | M.Litt. | Place names of Trivandrum District (about to submit thesis) |

Two Ph.D. theses - 'Grammatical Study of Pattuppaattu' by Rm. Sundaram and 'Grammatical Study of NaRRinai' by Shri A. Kamatchi - have been submitted for evaluation.

Shri M. E. Manickavasagam Pillai has collected cultural complexes from one village each in the erstwhile Travancore, Cochin and Malabar areas.

Shri S. Gnanamuthu visited all villages in the Trivandrum District and collected the place names and myths of the villages

The above two projects were financed by the University.

13 Department of Linguistics

Staff

| | |
|--|---|
| Reader and Head of the Department } | Dr. V. I. Subramaniam, M. A., Ph D (Indiana, U. S. A.) |
| Lecturers: | 1. Shri V. R. Prabodhachandran Nair, M. A. |
| | 2. Shri G. Kesava Panikkar, M. A. |
| Research Assistant: | Shri A. Kamatchi, M. A. |

The Department has as its scheme of work the description of early Malayalam Texts and Inscriptions and the dialects spread throughout Kerala including the Laccadives. A part-time post-graduate certificate course in Linguistics is also conducted by the Department.

For studying the variation in pronunciation and augmenting the library, a block grant of Rs. 52,000/- was received from the University Grants Commission for purchasing a spectrograph, tape recorders and books. Steps were taken to procure the instruments and books.

Students

| | Men | Women | Total |
|--|-----|-------|-------|
| Post-graduate Certificate Course in Linguistics (1964-'65) | 7 | 1 | 8 |

Research activities(i) *By the Staff*

| | |
|-------------------------------------|--|
| Dr. V. I. Subramaniam | Working on Ununuli Sandeesam |
| Shri V. R. Prabodhachandran Nair | Working out the transformations of Krihna Gaatha |
| Shri G. Kesava Panikkar | He made a pilot survey of the Lined dialect of Malabar and the Laccadive Islands and is grouping the dialects according to their peculiarities. He is also working for Ph D on the subject. |
| Shri A. Kamatchi | Collecting the preliminary details about the people of the Laccadive Islands before commencing his field work on the dialects of the Islanders. |

(ii) By the part-time Research students registered for Ph. D.

| <i>Name</i> | <i>Subject</i> |
|--------------------------------|---|
| 1. Shri P. Ramachandran Pillai | Descriptive Grammar Kannassaramayanam |
| 2. Shri C. J. Roy | Descriptive Grammar Inscriptions of Kerala 14th to 16th Century |
| 3. Shri N. Gopinatha Pillai | Descriptive Grammar Ezhuthachan's Adhyatma Ramayanam |

14. Department of Malayalam

Staff

| | |
|---|---------------------------|
| Professor and Head of the Department } | Dr. P. K. Narayana Pillai |
| Lecturer: | Shri C. J. Chacko |

The Department was formally inaugurated by the Vice-Chancellor on 4th March, 1964.

Courses offered

The Department provides facilities for research leading to M. A. and Ph. D. Degrees in Malayalam in the Faculty of Oriental Studies.

Library

The Departmental Library has a collection of 5,400 books and it subscribes for 40 periodicals and papers.

Research Students

Nine Research Fellows, including four registered this year, are working in the Department under the guidance of the Professor. Of these 9 Research Fellows, 5 are full-time and 4 part-time.

Research Schemes

The following are the main research schemes undertaken by the Department:—

1. A Historical Grammar of Malayalam
2. A History of Malayalam Language
3. Critical edition of ancient texts
4. Foreign influence on Malayalam Literature
5. Study and publication of Southern Ballads and Ballads. (For researches on Southern Ballads the

*Research activities**(i) By the Staff*

1. Dr. P. K. Narayana Pillai:

- (a) A critical edition of the Chintaratnam has been completed. Historical introduction to the work is under preparation
- (b) Prepared a critical edition of Mayurasandesam with a commentary and a historical introduction. The edition is named Keralahrdayam as it is attempted to interpret Kerala Varma's mind and art both in the introduction and the commentary.
- (c) Brought out a second edition of the critical edition of the Harinamakirtanam by Lzhutachan. Passages from the book cited by Dr. Gunders and a palm-leaf manuscript belonging to the Palace collection were also used for the critical apparatus of this edition, in addition to the 17 manuscripts and vulgate editions used previously.
- (d) Completed the study of about 100 Tattama proper nouns in Malayalam.
- (e) Prepared a paper on the influence of Sanskrit on Malayalam

2. Shri C. J. Chacko:

- (a) Collected and transliterated fifty old Malayalam inscriptions and studied them with a view to preparing a comprehensive grammar of the inscriptional language. (An award of Rs. 500/- as financial assistance has been sanctioned by U G C for the publication of "Malayalam Inscriptions")
- (b) Prepared a paper on the 'Contributions of Rev. George Mathan to Malayalam'.
- (c) Prepared a paper on 'Lzhutachan - his place in Malayalam Language and Literature' and presented it in a symposium on Lzhutachan held at Thiruchanparampu. Presented a paper on 'Malayabkavita' in a symposium held under the auspices of C. J. Boreas Memorial Lectures Committee at Kozhikode.

| <i>Name of Research Student</i> | <i>Degree for which registered</i> | <i>Problem under Investigation</i> | <i>Progress made</i> |
|-------------------------------------|--|--|--|
| 6. Shri Sukumar Achikode | Ph.D. | Foreign Influence on Literary Criticism in Malayalam | Traced the history of romantic movement in Malayalam poetry |
| 7. Shri T. Bhaskaran | Ph.D. | Sanskritic Influence on Malayalam Literature or Philosophical Back- ground of Ezhuthachan | Back ground reading in progress. |
| 8. Smt. J. Padmakumari | M.Litt. | Southern Ballads in Malayalam | Studied Ponnirathai Katha and Matilakam Pattu and collected a few minor Southern Ballads. |
| 9. Smt. K. Indira Devi | M.Litt. | Poonatanam and his works-A Study | Back ground reading in progress. |

(i) *By the Staff*

(1) Dr. A. G. Krishna

Warrier : (a) He has been working on the Malayalam translation of "Sankara's Brahmasutrabhasya" with a critical introduction and exegetical notes. The first volume has been completed and is under print in the University Press. The second volume is under preparation.

(b) Contributed a research paper on "Muktasya Karma - the action of the liberated" in the Philosophy and Religious section of the 22nd Session of the All India Oriental Conference.

(2) Shri S. Venkita-

Subramonia Iyer : (a) He has been registered as a research scholar for the Ph D Degree and was working on "The Prakriya Sarvasvam a Critical Study". He has made a preliminary survey of the entire work and is at present engaged in listing deviations in interpretations of the Suttas characterising the work. He has completed a detailed comparative and critical study of the first three sections.

(b) He is engaged in a preliminary study of the *Dharanasa* of Narayana-bhatta with a view to bringing out a critical edition of this notable work with commentaries. The collection of 3 original manuscripts of the text and the commentary *Asmarpana* has been completed and the variants with reference to the *editions* prepared.

(c) He has also started preparing a Bibliography of Kerala Sanskrit Literature.

15. Department of Sanskrit

Staff

| | | |
|--------------------------------------|---|---|
| Reader and Head of the Department | } | Dr. A. G. Krishna Warriar M.A., Ph. D. |
| Lecturer: | | Shri S. Venkitasubramonia Iyer, M.A. |

Courses offered

The Department offers facilities for research leading to M.Litt. and Ph.D. Degrees in Sanskrit in the Faculty of Oriental Studies.

Research Students: 6 (Full-time 3; Part-time 3)

Activities

Besides translating Sanskrit classics into Malayalam, with critical introduction and notes, the Department also envisages the preparation of monographs and major works in Malayalam, English and Sanskrit on the following themes:—

Monographs

- (a) Vedas — one on each of the four Vedas
- (b) (i) The major Upanisads — one on each of the Upanisads
- (ii) The Sectarial Upanisads — one
- (iii) The Sannyasa Upanisads — one
- (c) Darsanas — A monograph each

Major works

- (i) The Development of literary criticism in Sanskrit
- (ii) The concept of God in Indian Religious Thought
- (iii) The Indian Theory of Values

A Third branch of work the Department proposes to initiate and develop is related to the critical edition of Sanskrit works produced in Kerala, such works, for example, as the *Nititattvavirbhava* of Cidananda and *Raghaviya* of Ramapanivada.

Research activities of the staff and students of the Department during the year are detailed below:

(i) *By the Staff*

(1) Dr. A. G. Krishna

Warrier : (a) He has been working on the Malayalam translation of "Sankara's Brahmasutrabhasya" with a critical introduction and exegetical notes. The first volume has been completed and is under print in the University Press. The second volume is under preparation.

(b) Contributed a research paper on "Muktasya Karma - the action of the liberated" to the Philosophy and Religious section of the 22nd Session of the All India Oriental Conference.

(2) Shri S. Venkita-

subramonia Iyer : (a) He has been registered as a research scholar for the Ph D Degree and was working on "The Prakasa Sarvasvam a Critical Study". He has made a preliminary survey of the entire work and is at present engaged in listing deviations in interpretations of the Sutras characterising the work. He has completed a detailed comparative and critical study of the first three sections.

(b) He is engaged in a preliminary study of the *Pratyaśāna* of Narayana-bhatta with a view to bringing out a critical edition of this notable work with commentaries. The collection of 3 original manuscripts of the text and the commentary *Aranyaka* has been completed and the variants with reference to the *edna* principle noted.

(c) He has also started preparing a bibliography of Kerala Sanskrit Literature.

| ANNUAL REPORT FOR THE YEAR 1964 | | |
|---------------------------------|-----------------------------|--|
| Full-time | Degree for which registered | Problem under investigation |
| 1. Smt. K. Sarasa | Ph. D. | Rasa in Sanskrit Drama |
| 2. Smt. K. Visvesari Amma | Ph. D. | The Philosophy of Udayana |
| 3. Smt. C. Padmavathy Amma | M.Litt. | The Concept of Mukti in the Nyayavaishesika System |
| Part-time | | |
| 4. Shri R. Karunakaran | Ph.D. | The Concept of Sat in the Schools of Vedanta |
| 5. Shri Harihara Raghavan | Ph.D. | Ramapanivada and his works in Sanskrit |
| 6. Shri M. N. Narayanan | Ph.D. | Nagoji Bhatta, the Grammarian—A Critical Study |
| | | Progress made |
| | | After her preliminary study of the relevant chapters of Bharata's Natyasastra, she has prepared a paper on the Vibhavas as a category in the Rasa sutra. |
| | | Completed the study of the Atmatattvaviveka and the Kusumanjali of the "Categories in Nyaya". |
| | | Has begun the study of the Nyayasutra, Bhashya and the vartikam for getting the earliest view on the subject. |

16. Department of Library Science

Staff

Reader and Head of the Department } Shri K. A. Isaac, B.Sc., M.Lib.Sc.

Lecturers: 1. Shri M. N. Ramakrishnan Nayar,
M.A., M.Lib.Sc.

2. Shri A. B. George, M.A.,
Dip. Lib. Sc.

(on deputation from 12-7-1964)

Shri A. B. George was deputed for undergoing the Master's Degree course in Library Science in the Delhi University. His work has been assigned to Shri C. A. Augustine, B.Com., M.Lib.Sc., and Shri V. S. Sukumaran Nair, M.A., B.Lib.Sc., Assistant Librarians in the University Library, on a part-time basis from 28-7-1964.

Students

| | Men | Women | Total |
|----------------------|-----|-------|-------|
| B.Lib.Sc. (1964-'65) | 12 | 13 | 25 |

All the 25 students of the academic year 1963-'64 presented from the Department for the B.Lib.Sc. Degree examination of April, 1964, passed — 3 in the first class, 12 in the second class and 10 in the third class.

II ERNAKULAM CENTRE

1. Department of Marine Biology and Oceanography

The Department of Marine Biology and Oceanography has four laboratories - (i) The Oceanographic Laboratory, Ernakulam (Head Office), (ii) The Marine Biological Laboratory and Aquarium, Trivandrum, (iii) The Fishery Technology Laboratory, Trivandrum, and (iv) The Estuarine Research Laboratory Ayiramthengu.

Staff

Oceanographic Laboratory

| | |
|---|----------------------------|
| Reader and Head of the Department of Marine Biology & Oceanography } | Dr. C. V. Kurian |
| Reader in Oceanography: | Dr. N. Balakrishnan Nair |
| Lecturers: | 1. Shri N. M. Shah |
| | 2. Dr. C. T. Samuel |
| | 3. Shri K. P. Balakrishnan |
| | 4. Dr. P. Dinamani |
| | 5. Shri A.N.P. Ummerkutty |

Marine Biology Laboratory & Aquarium

| | |
|--------------------|--|
| Research Officer : | Dr. N. Krishna Pillai |
| Curator: | Shri K. G. Padmanabhan (took charge on 25-9-'64) |
| Research Officer: | Dr. P. A. John (Joined duty on 21st October, 1964) |

Fishery Technology Laboratory

| | |
|----------------------|-------------------------|
| Research Officer : | Dr. K. Sadasivan Pillai |
| Chemical Assistant : | Shri K. Ayyappan Nair |

Estuarine Research Laboratory

| | |
|--------------------|-------------------------|
| Research Officer : | Shri G. Sivankutty Nair |
| Hydrologist : | Smt. C. S. Shynamma |

Dr. V. R. Meenakshy, Animal Physiologist, joined the Oceanographic Laboratory on 10th April 1964 as C. S. I. R. Pool Officer.

Students

M. Sc. Marine Biology (1964-'65)

| | Men | Women | Total |
|----------|-----|-------|-------|
| Previous | 7 | 3 | 10 |
| Final | 7 | 2 | 9 |
| | 14 | 5 | 19 |

Research Students : 14

All the 5 students presented from the Department for the M. Sc. (Marine Biology) Final Examination of April, 1964 passed—4 in the first class and 1 in the second class.

General activities

The Bulletin of the Central Research Institute-Series C, was renamed as the "Bulletin of the Department of Marine Biology and Oceanography" and the first number was released on 6th November, 1964.

(1) Oceanographic Laboratory

The laboratory continued to provide accommodation and facilities for the Biological Centre of the International Indian Ocean Expedition and the Wood Preservation Branch of the Forest Research Institute.

Research facilities were given to Dr. L. V. Zhukov, Scientist from the U. S. S. R., to Messrs Marshall and Silbert from the U. K. Atomic Energy Commission and to Dr H. M. Iyer of the Atomic Energy Establishment, Bombay.

As part of the programme "A week of educational activities at Tirunakulam", organised by the U. S. I. S., Madras, group discussions and film shows were held from 28th January to 1st February, 1964.

Many scientists from abroad visited the Laboratory during the year. In March, the following scientists, who participated in the I I O I. Zooplankton Consultative Committee meeting, visited the Laboratory -

| | |
|---------------------|----------------------|
| Mr. R. S. Glower | Dr. M. L. Vinogradov |
| Dr. S. Motoda | Dr. J. A. McGowan |
| Dr. A. Y. Eustafiev | Dr. T. R. Parsons |
| Dr. R. Sevens | Prof. J. Krey |
| Dr. I. E. Wallen | |

Lectures on various aspects of Planktology were delivered by Prof. S. Motoda, Mr. R. S. Glower, Dr. J. A. McGowan and Dr. M. L. Vinogradov.

Dr. A. C. Broad and Dr. C. J. George (Kannask University) addressed the members of the staff and students of the Oceanographic Laboratory during their visit.

On behalf of the C. S. I. R. and Kerala University, the Oceanographic Laboratory extended hospitality to the scientists who called at the Cochin Port in April and May, 1964 on the Research Vessels 'Te-Vaga' and 'Anton Brunn' from U. S. A. and R. S. S. Discovery III from U. K., taking part in the International Indian Ocean Expedition. A seminar was arranged in Oceanographic Laboratory on 7-4-1964, when Dr. Dixie Lee Ray, Chief Scientist on board the vessel 'Te-Vaga' and other U. S. Scientists spoke on the research problems investigated by them during the cruise.

Shri K. P. Balakrishnan participated in the I. I. O. E. Cruise of I. N. S. Kistna from 12-7-1964 to 22-7-1964.

In September 1964, Dr. C. V. Kurian attended the Seminar on 'Marine Products Exports' organised by the Indian Institute of Foreign Trade.

Dr. C. V. Kurian and Dr. N. Balakrishnan Nair participated in the symposium on 'Prawn Fisheries in India' sponsored by the Society of Fisheries Technologists (India) in October, 1964.

A programme of work was initiated for the study of primary production off Cochin, using radio active isotopes in collaboration with Shri A. H. V. Sarma, a C. S. I. R. Senior Research Fellow, stationed at the Indian Ocean Biological Centre, and Dr. Vagn Hansen, Curator, I. I. O. E. Biological Centre.

Cruises of R. V. Conch

The research vessel carried out 30 inshore cruises in the Cochin area for the collection of bottom fauna and bottom deposits, hydrographical data and plankton samples and for training M. Sc. students in instrumentation. The two off-shore cruises to Alleppey region and off Cochin were mainly for the collection of plankton samples and hydrographical data for the International Indian Ocean Expedition and investigation of the mud banks. Further cruises were not possible as the vessel had to be dry-docked for urgent repairs.

(ii) Marine Biological Laboratory and Aquarium

Shri K. G. Padmanabhan, Curator, and Shri M. A. Joseph, Superintendent of the Aquarium, were deputed to study the working of the Taraporewalla Aquarium at Bombay and the Central Marine Fisheries Aquarium at Mandapam during February, 1964.

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A large hall capable of accommodating nearly 100 tanks is under construction. The construction of quarters for the Curator is nearing completion.

A new wing for exhibition of locally available exotic fishes has been opened by the Vice-Chancellor on 6th November, 1954. The renovation of the main aquarium having been completed, collection of gate fee was resumed from 7th November, 1954.

Intensive plankton collections made on board research vessel "Varuna" from all over the Arabian Sea have been placed at the disposal of Dr. N. Krishna Pillai, by the Director, Central Marine Fisheries Research Institute, for studying the group Mysidacea.

(iii) Fishery Technology Laboratory

The main items now under investigation are —

- (1) The chemistry and technology of marine oils and fats,
- (2) Preservation of fresh fish by antibiotics and hypochlorite ice; and

(3) Production of odourless fish flour. The chemistry and utilization of the more important sea weeds of Kerala coast are also being studied.

(iv) Estuarine Research Laboratory

Studies on the mitigation and growth of *Penaeus indicus* and *Mueller-troschelti*, investigation on the bottom fauna of the Kayamkulam lake, chemical analysis of the brackish water and fresh water mollusca are the main problems under investigation in the laboratory.

Research Student / Degree for which registered / Problem(s) under investigation

Staff

1. Dr. C. V. Kurian

Progress made

Studies on the Bottom Fauna and Bottom Deposits of the Kerala Coast Deep water Prawns and Lobsters

The bottom deposits collected from the continental shelf are being analysed. Two papers on deep water prawns and lobsters were published. A paper on Cumacea has been submitted for the symposium on "Crustacea".

Detailed observations on the settlement of marine foulers and wood borers were made at 4 stations in the Cochin Harbour area. The development and composition of the fouling communities have been investigated.

Water samples collected by R. V. Conch while on long cruises have been analysed.

A series of "Tank" and "in situ" experiments, using C14 technique, both in the sea and the backwater region, throughout the year have been conducted.

Hydrography of the Kerala Coast up to the 100 fathom line

Productivity studies in the waters off Cochin

2. Dr. N. Balakrishnan Nair

3. Shri N. M. Shah

| Name of Staff Member, Research Student | Degree for which registered | Problem(s) under investigation | Progress made |
|---|-----------------------------------|---|---|
| 1. Dr. C. T. Samuel | | Deep sea fishes collected by R. V. Conch | The systematics of the teleosts collected by R. V. Conch from the 100 fathom line is in progress. |
| | | Morphology of the verte- bral column in fishes | Completed the study of the morphology of the vertebral column in <i>Lactaria crenula</i> (Linnaeus). |
| 3. Shri K. P. Balakrishnan | Ph. D. | Fish, eggs and larvae of Kerala Coast | Three papers published. |
| | | Studies on the Ecology and Breeding habits of <i>Solea orata</i> | Monthly collections taken. The gonad index, food and feeding habits of the species are being determined. |
| 6. Dr. P. Dinamani | | Biology of <i>Dentalium</i> Systematics of <i>Umbellula</i> Taxonomy of <i>Curtimorpha</i> Symbiotic Cirripeds | One paper published One paper published Work in progress. Two papers published. |
| 7. Shri A. N. P. Ummerkutty | | Biology of Copepods | One paper on planktonic copepods published. Systemic study of a collection of planktonic copepods of the Zoological Survey of India is being made. Eight papers dealing with the syste- matics and biology of the copepods have been sent for publication. |

| Name of Staff Member / Research Student | Degree for which registered | Problem(s) under investigation | Progress made |
|--|-----------------------------------|--|--|
| 8. Dr. V. R. Meenakshi | | <p>Studies on the Physiology of aestivation in the Indian Apple Snail</p> <p>Studies on the organic matrix of the Gastropod shell</p> | <p>Physiological adaptation to changing environmental conditions is being worked out.</p> <p>A significant relationship between the nature of the organic matrix and the environment in which the animals live is observed. Tanned proteins play an important role in fresh water forms to adjust to changing pH of water.</p> <p>Two papers have been published, one is in print and two papers were presented for "Crustacea" symposium.</p> <p>Detailed review of the work on Indian copepods has been presented for the symposium on "Crustacea".</p> <p>The work has been completed.</p> <p>Work started.</p> |
| 9. Dr. N. Krishna Pillai | | <p>Planktonic Crustacea of Arabian Sea</p> <p>Copepod parasites of Indian marine fishes</p> <p>Development of Kidney in <i>Macropodus</i> and <i>Arius</i></p> <p>Development of viviparous fishes</p> | |
| 10. Shri K. G. Padmanabhan | Ph.D. | | |

| <i>Name of Staff Member Presently Attached</i> | <i>Degree for which registered</i> | <i>Problem(s) under Investigation</i> | <i>Progress made</i> |
|--|--|---|--|
| 11. Dr. P. A. John | | Embryology of <i>Splachna terrestris</i> | Preliminary work completed. Detailed study is being made |
| 12. Dr. K. Sadasivan Pillai | | Chemistry and technology of Marine oils and fats | Work in progress. |
| | | Studies on the prefer- ential of fresh fish | do. |
| | | Utilization of sea weeds | do. |
| 13. Smt. G. Srinakshy Nair | Ph.D. | Distribution and biology of <i>Velutia cochlearis</i> | Survey of the distribution of the clams in two major lakes of Kerala and detailed study of its occurrence in the Kayamkulam lake have been carried out. Variations in the fat contents have been worked out. Breeding habits have been studied. |
| 14. Smt. A. Antony | M.Sc. | Studies on the deep water foraminifera off the Kerala Coast | 105 species have been identified, sketched and described. The intensity of distribution is being worked out. |
| 15. Smt. C. P. Varadachari | | Studies on Sea Anemones | The deepwater sea anemones in the collections of the R. V. Corch are being identified. Anato- my in analysis of the bottom deposits collected by the research vessel Corch from the inshore waters of Kerala |

| Name of Staff Member / Research Student | Degree for which registered | Problem(s) under investigation | Progress made |
|--|-----------------------------------|---|--|
| 16. Shri K. Aiyappan Nair | | | Assisted in the work on the chemistry and technology of marine oils and fats carried out in the Fishery Technology Section. |
| 17. Smt. C. S. Shynamma | M.Sc. | Fat analysis of bivalves | The fat of different species of bivalves has been extracted. |
| Research Students | | | |
| 1. Dr. Anna J. Philip | | Respiratory and Haematological studies on fish | Estimations of R. B. C. Haematocrit and Haemoglobin values of a few air-breathing fishes have been conducted and their relation to the ecological factors has been worked out. |
| 2. Smt. Mariamma Thomas | Ph.D. | Development of the Chondrocranium in Elasmobranchs | Twelve developmental stages of <i>Chiloscyllium indicum</i> were studied in detail by reconstruction from serial sections. |
| 3. Smt. Saramma Abraham | Ph.D. | Food, feeding habits, morphology of the alimentary tract of a few elasmobranchs and teleosts of the Cochin Harbour area | Histology of the alimentary tract of marine and brackish water fishes was made. Stomach contents of these fishes were analysed. |

| Name of Staff Member, Friedrich Stead | Degree for which registered | Problem(s) under investigation | Progress made |
|--|-----------------------------------|---|---|
| 1. S. P. J. Thomas | Ph.D. | Taxonomy and aspects of Biology of Polychaetes from the Arabian sea | The polychaete collections of R. V. Conch have been worked out. The density of population on the test panels is being studied. Larval stages of <i>Prionospio pinnata</i> have been collected. A note on <i>Cosmina costia</i> has been accepted for publication in Current Science. |
| 3. S. M. Sarin | Ph.D. | Studies on the ship worms of the West Coast of India | Ten species of ship worms belonging to the genera <i>Teredo</i> , <i>Marilia</i> and <i>Nautilora</i> were identified. The anatomy, breeding cycle and biochemical changes during reproduction and rate of growth of <i>Nautilora laticornis</i> are being studied. |
| 5. S. K. Krishna Pillai | Ph.D. | Studies on the Biology of certain littoral animals of Kerala Coast. | The reproductive biology of the littoral crusta- cea is being studied. The biochemical changes attending the annual reproductive cycle of <i>Lea annulipes</i> have been studied. |
| 7. S. N. Raminathan Menon | Ph.D. | Studies on the Polysia of the South West Coast of India | Twenty five species have been described. The occurrence, growth rate and ecology of 6 species have been studied. Salinity tolerance, effects of exposure and vertical distribution of 4 species have been investigated. |

| Name of Staff Member/ - Research Student | Degree for which registered | Problem(s) under investigation | Progress made |
|---|-----------------------------------|---|--|
| 8. Shri A. G. Govindankutty | Ph. D. | Studies on the biology of certain inter-tidal animals of the Kerala Coast | The seasonal occurrence and relative abundance of the different species are being studied. 28 species of nematodes were identified. |
| 9. Shri R. Damodaran | Ph. D. | Studies on the Fauna of the Mud Banks of the Kerala Coast | Collections of mud samples from Alleppey region were obtained and the intensity of For- aminifera in the sample has been noted. Speci- mens of <i>Thalassena</i> collected from off Cochin are being identified. |
| 10. Shri Varghese P. Oommen | Ph. D. | Digestion in Cephalopods | The Cephalopods in the collections of the R. V. Conch are being identified. Anatomy of the common Cephalopods is worked out. |
| 11. Smt. G. Saraswathy Ammal | Ph. D. | Comparative study of the digestive system in Crustacea | Completed a study of the gross anatomy of representative types. |
| 12. Smt. Susan Chacko | Ph. D. | Comparative study of the Nervous system in Crustacea | The overall pattern of the nervous system in various aquatic crustaceans has been studied. For the sake of comparison, the work is exten- ded to terrestrial and parasitic forms. |
| 13. Shri P. Rabindra Nath | Ph. D. | Taxonomic study of the Amphipoda | An extensive collection of littoral Amphipods has been made. 70 species have been provi- sionally identified. |
| 14. Shri T. P. Kunjuraman Nayar | Ph. D. | Embryology of <i>Paratel- fusa hydrodromus</i> | Histology of the reproductive organs and oogenesis has been studied. |

2. Department of Physics

Staff

| | |
|---|--|
| Professor and Head of the Department | } Dr. K. Venkateswarlu, M.Sc., D.Sc., F. Inst. P., F.A.Sc. |
| Reader : | Dr. Joy George, M.A., Ph.D. (I.Ind.) |
| Lecturers : | 1. Shri C. Purushothaman, M.Sc. 2. Dr. G. Aruldas, M.Sc., Ph.D. |

Dr. Venkateswarlu, Head of the Department, was invited by the Technical University, Trondheim, Norway, as a Visiting Professor for a period of two months and he went abroad on 31-10-1964. Dr. Joy George was in charge of the Department during the absence of Dr. Venkateswarlu.

The Department continued to function temporarily in the Union Christian College, Alwaye. Equipment necessary for post-graduate study and research costing about Rs. 1 lakh and books and back numbers of important Physics Journals worth about Rs. 25,000/- have been purchased during the year.

Courses provided

The Department provides instruction for M.Sc (Physics) and facilities for research leading to Ph.D.

Students

| M.Sc. (Physics) (1964-'65) | Men | Women | Total |
|-------------------------------|---------|-------|-------|
| Previous | 4 | 4 | 8 |
| Final | 5 | 3 | 8 |
| | <hr/> 9 | 7 | 16 |

Research Students : 5

Research activities

Details of research carried out by the staff and students are given below :

| <i>Name of Staff Member/ Research Student</i> | <i>Degree for which registered</i> | <i>Problem under investigation</i> |
|---|--|--|
| 1. Dr. Joy George (Reader) | | Crystal growth and defects |
| 2. Dr. G. Aruldas (Lecturer) | | Nuclear Magnetism |
| 3. Shri C. Purushothaman (Lecturer) | Ph. D. | Evaluation of molecular constants and thermo-dynamic properties of some organic molecules (2 research papers published) |
| 4. Dr. S. Mariam (C.S.I.R. Senior Research Fellow) | Post- doctoral | 1. Intermolecular inter-action in liquids 2. Vibration of Polyatomic molecules (3 research papers published) |
| 5. Dr. K. V. Rajalakshmi (C.S.I.R. Senior Research Fellow) | Post - doctoral | Molecular Physics (3 research papers published) |
| 6. Smt. V. Malathy Devi (C.S.I.R. Junior Research Fellow) | Ph. D. | Molecular force fields and mean amplitudes of vibration (3 research papers published) |
| 7. Smt. Mariamma P. Mathew (Govt. of India Research Fellow) | Ph. D. | Urey-Bradley-Force field of ethylene oxides and ethylene sulphide (1 research paper published) |
| 8. Shri K. Babu Joseph (Govt. of India Research Fellow) | Ph. D. | Theoretical study of the intensities of special lines |
| 9. Shri K. Govindankutty Menon (University Senior Research Fellow) | Ph.D. | Spordaic layers in Ionosphere |

Smt. P. Bhamambal who had been awarded the C. S. I. R. Junior Research Fellowship Joined the Department on 23-12-1964.

Dr. (Miss) K. V. Rajalakshmi, C. S. I. R. Senior Research Fellow, has been awarded a post-doctoral fellowship by the Norwegian Agency for International Development to work at the Technical University, Trondheim. She has also been awarded the Andhra University Medal for 1964 for having shown conspicuous merit in research work in Physics.

3. Department of Hindi

Staff

Reader and Head of the Department } Shri A. Chandrasan, M. A.

Lecturers: 1. Dr. N. L. Viswanatha Iyer,
M. A., Ph. D.

2. Shri A. Ramachandra Dev, M. A.

3. Dr. M. Malik Mohammed,
M. A., Ph. D.

Research Assistant: Smt. M. Easwari, M. A.

Shri Chandrasan, Head of the Department, was nominated as a member of

- (a) The Committee on Colleges constituted by the University Grants Commission for making recommendations for the improvement of Collegiate Education in India
- (b) The Committee on 'Task Force' on Higher Education, appointed by the Education Commission (India), to make an intensive study of the different aspects of Education
- (c) The Hindi Silakhya Samiti (by the Union Ministry for Home Affairs)

Courses provided

The Department provides instruction for M. A. (Hindi) and facilities for research.

Students

| M. A. (Hindi) (1954-55) | Men | Women | Total |
|----------------------------|-----|-------|-------|
| Previous | 4 | 13 | 17 |
| Final | 1 | 5 | 6 |
| | 5 | 18 | 23 |

Research Students: 12

The post-graduate and research students of the Department were taken on an educational tour lasting about a month to North India in April-May, 1954 visiting Calcutta, Patna, Banaras, Allahabad, Kanpur, Lucknow, Agra, Delhi and Bombay. Shri Chandrasan and Smt. T. K. Sarala Devi, Lecturer, Maharaja's College, accompanied the students. They met a large number of writers and some University Professors.

Research activities(i) *By Staff*

- (a) Shri Chandrasahasn is continuing his research on "Structure of Hindi and Malayalam—a Comparative Study".
- (b) The U. G. C. has awarded a grant of Rs. 1,500/- to Dr. N. E. Viswanatha Iyer to work on "A Survey of Literary contribution in Hindi and related to Hindi in Kerala".

Dr. Viswanatha Iyer took part in the All India Seminar organised by the Central Hindi Institute, Agra, on "Extraneous influences in Indian Literature" in November 1964 and read a paper.

- (c) The Department has undertaken the preparation of anthologies on Ancient Poets. The book on Kesava-das prepared by Dr. Viswanatha Iyer is ready for publication. The books on 'Vidyapati' (by Shri Chandrasahasn) and 'Bihari' (by Smt. M. Easwari) are under preparation.

(ii) *By Research Students*

Research was continued by the research students on the topics noted below against each:

| <i>Name of Research Student</i> | <i>Degree for which registered</i> | <i>Subject</i> |
|----------------------------------|------------------------------------|---|
| Full-time | | |
| 1. Shri V. K. Hariharan Unnithan | Ph.D. | Development of prose styles in Hindi |
| 2. Smt. M. Easwari | Ph.D. | Vocabulary of Hindi and Malayalam - a comparative study |
| 3. Smt. L. Sushama Bai | Ph.D. | The mind and art of the late Siyaramsaran Gupt |
| 4. Shri R. Raman Namboodiri | M.Litt. | The Social background of Hindi Poetry in Ritikal |

| <i>Name of Research Student</i> | <i>Degree for which registered</i> | <i>Subject</i> |
|------------------------------------|------------------------------------|---|
| Part-time | | |
| 5. Shri K. K. Kumara Kurup | Ph D | Spiritual background of the works of Tulsiidas and Surdas. |
| 6. Shri M. K. Raman Lzhuthachan | Ph.D | The Gandhian influence on Hindi Literature |
| 7. Smt. K. M. Santa Kumari | Ph.D. | Progressive element in Hindi and Malayalam Poetry |
| 8. Smt. T. K. Sarala Devi | Ph D. | Depiction of womanhood in the poetical works of Maithilisharan Gupta and Jai Sankar Prasad |
| 9. Smt. A. A. Kamalakshi | Ph D. | Historical background and depiction of historical characters in the dramas of Jai Sankar Prasad |
| 10. Shri T. T. Daniel | Ph D. | Classical element in Modern Hindi Poetry |
| 11. Shri Sujhansu Chaturvedi | Ph.D | Comparative study of the Virkavyas in Hindi and Malayalam |
| 12. Smt. N. Beetha Devi | Ph D. | Khand Kavya Literature in Hindi |

4. Department of Law

Staff

| | |
|--------------------------------------|---|
| Professor and Head of the Department | Dr. A. T. Markose, M. A., LL. M., LL. D. |
| Lecturer | Dr. E. Pravarajan, B. Sc., M. L., LL. M., LL. B. (W.) |
| Part-time Reader | Shri M. I. Joseph, B. A., LL. M. (Legal), B.A.-LL.B. |

Dr. A. T. Markose, Professor and Head of the Department, left for United Kingdom on 19th October, 1964 for a period of one year on a Commonwealth University Visiting Fellowship. Dr. R. Prasannan, Lecturer, has been put in charge of the Department during the period of absence of Dr. Markose.

Courses provided

The Department offers M. L. course in Branch II-Constitutional Law and International Law and provides guidance for research scholars working for Ph.D. and LL. D.

The Department has been recognised as a member of the British Institute of International and Comparative Law.

Students

| <i>M. L. (1964-65)</i> | <i>Men</i> | <i>Women</i> | <i>Total</i> |
|----------------------------|------------|--------------|--------------|
| Previous | 7 | .. | 7 |
| Final | 5 | 1 | 6 |
| | 12 | 1 | 13 |

Research Students: 6

Library

The Department has spent nearly Rs. 1 lakh towards building up a good Law Library. Besides complete sets of Indian, English and American Law Reports, the Library has a good collection of treatises, text-books and Law journals from all over the world.

Journal

Work in connection with the publication of the first issue of the 'Kerala University Law Review' is fast progressing. Contributions from some eminent Law Professors in the United States, England and France have already been received. It is hoped that the first issue of the journal could be brought out within a short time.

Research activities(i) *By Staff*

1. Dr. A. T. Markose:

Preparation of "A Source Book on Kerala's Land Tenures".

There are a number of pictures (or species) of land tenure in the old States of Travancore and Cochin and in the district of Malabar. Each item of land tenure has its own historic development. With the Kerala Land Reforms Act, 1961, the historic process has reached a reasonably stable conclusion. In preparing the book an accurate description and the history of the evolution of each of these land tenures that prevailed in the last few hundred years and reflected in the various State Manuals, Court decisions and statutes are aimed at. There is no such book at present in Kerala.

The University Grants Commission has awarded an equipment grant of Rs. 1,500/- for the current year in connection with the preparation of the book, the completion of which is likely to take four or five years.

2. Dr. R. Prasadannan:

- (a) Engaged in the preparation of a 'Cases and Materials Book' an essential pre-requisite for the introduction of newer methods of instruction in Law.
- (b) Work on British and American Constitutional Law materials is progressing.
- (c) On behalf of the University, a memorandum on the question of 'Abolition of Capital Punishment in India' was prepared and submitted to the Law Commission of India, which is currently examining the question.

(ii) B.V. Research Students

| <i>Name of Research Student</i> | <i>Degree for which registered</i> | <i>Problem under investigation</i> | <i>Progress made</i> |
|---|--|---|---|
| 1. Shri T. K. Ramakrishnan | LL.D. | Appellate Administrative Tribunals in Kerala | Has completed the collection and analysis of data from the Regional Transport Authority. |
| 2. Shri M. Ramamurthy Sharma | LL.D. | Administrative Control over Property | Has already completed two chap- ters of his thesis. The draft of the 3rd chapter on "Eminent Domain" is being completed. |
| 3. Shri N. Narayanan Nayar | LL.D. | The Civil Servant under the Law and Constitution | Revising the first draft of the thesis. |
| 4. Shri T. P. Sudarsan Rao | LL.D. | Judicial Power under the Indian Constitution | The first chapter on 'Act of State' is in the process of completion. |
| 5. Shri R. Sankaradasan Thampi (Part-time) | LL.D. | The Economic Interpretation of the Indian Constitution | Collecting materials for the first chapter. |
| 6. Shri K. Madhavan Pillai (Part-time) | LL.D. | The Concept of Fairness in the Administrative process | The candidate has been appointed as a part-time Lecturer in the Trivandrum Law College, and is now working as a part-time research student. |

5 School of Management Studies (Started functioning from October, 1964)

Staff

| | | |
|--|---|--|
| Director and Professor of Business Management | 1 | Dr. M. V. Pylee, M. A., D. Litt. I.L.M. (Harvard) |
|--|---|--|

There are, in addition, 8 part-time teachers who are duly qualified and well experienced top managers in the neighbouring business and industrial concerns or Professors in educational institutions.

Accommodation

The school is temporarily functioning in the F. A. C. I Training School, Udyogamandal.

Courses Provided

Three year part-time Post-graduate Diploma courses in Business Management and Industrial Management.

The starting of the above two part-time courses has been approved by the University Grants Commission.

Students

| Course (1964-'65) | Men | Women | Total |
|-----------------------|-----|-------|-------|
| Business Management | 15 | — | 15 |
| Industrial Management | 20 | — | 20 |
| | 35 | — | 35 |

The classes for the present batch of students are conducted in the evenings from 6 p.m. to 8 p.m. on 4 days in a week.

The candidates admitted as students are working personnel in the executive or supervisory cadre in business and industrial concerns in and around Alway and Ernakulam areas.

III. CALICUT CENTRE

1. Department of History
(Guruvayurappan College Campus, Calicut)*Staff*

| | |
|--|---|
| Reader and Head of the Department } | Shri P. K. Karunakara Menon, M.A., M.Litt. |
|--|---|

Lecturers: 1. Dr. T. K. Ravindran, M.A.,
Ph.D., LL.B.

2. Shri M.G. Sankaranarayanan, M.A.

Shri P. K. Karunakara Menon is a member of the Advisory Committee of National Register of Records, Kerala Government.

Courses provided

The Department provides instruction for M.A. History and facilities for research leading to Ph.D.

Students

| <i>M.A. (History) (1964-'65)</i> | <i>Men</i> | <i>Women</i> | <i>Total</i> |
|---------------------------------------|------------|--------------|--------------|
| Previous | 5 | 3 | 8 |
| Final | — | 1 | 1 |
| | 5 | 4 | 9 |

Research activities(i) *By the Staff*

| | |
|------------------------------|---|
| Shri P. K. Karunakara Menon: | He is in charge of the Government Regional Records Survey Committee Office at Trivandrum and is working on 'History of Freedom Movement in Kerala, 1600-1948'—a research project sponsored and financed by the Government of Kerala on the initiative of the Government of India. |
|------------------------------|---|

(a) By Research Students

| Name of Research Student | Degree for which declared | Problem under investigation | Progress made |
|-----------------------------------|---------------------------|--|--|
| 1. Full-time Sri N. Kumaran | Ph.D. | Land Revenue Administration in Modern Travancore, 1729-1939 | Consulted Land Revenue Administration Reports covering 65 years and collected much information regarding Land Tenure, Easements, Boundary questions, Surveys, Assessments, etc. Basic material is being collected. |
| 2. Semi D Jayalakshmi Amma | Ph.D. | History of the Swaraj Party in India | do. |
| 3. Sri L. Devi | Ph.D. | Travancore and the Paramount Power | |
| 4. Part-time Sri S. Sreedharan | Ph.D. | History of the North Malabar district to the 18th century | Consulting the Muthika Vamsa Kaya in order to extract historical information. |
| 5. Sri T. V. Kuppuswami | Ph.D. | Tamilnad in the time of PulkanannuRu | Consulting Tamil literature, has collected information. |
| 6. Sri K. Kumbharan Nair | Ph.D. | History of the Judiciary of Travancore 1729-1950 | Consulted important records preserved in the University Library and collected data. |
| 7. Sri J. M. Jacob | Ph.D. | Responsive Co-operation in India's Freedom Struggle, 1920-47 | Basic material is being collected. |

Also, research papers and Sri K. J. Vaidyan, Research Students of the Department, discontinued their studies

2. Department of Chemistry

(Farook College Campus, Feroke)

Staff

Reader and Head } Dr. S. S. Moosath, M.Sc., Ph. D.
of the Department }

Lecturers :
1. Dr. K. T. Rama Varma
2. Dr. K. C. Eapen, M.Sc., Ph.D.
3. Dr. C. P. Savariar, M.Sc., Ph.D.

Courses provided

The Department provides instruction for M.Sc. Chemistry and offers facilities for research leading to Ph.D.

The Department has a well equipped laboratory for teaching M.Sc. Chemistry and a research laboratory which is being equipped on modern lines.

Students

| <u>M. Sc. (Chemistry)</u> <u>(1964-'65)</u> | <i>Men</i> | <i>Women</i> | <i>Total</i> |
|--|------------|--------------|--------------|
| Previous | 3 | 3 | 6 |
| Final | 5 | 1 | 6 |
| | 8 | 4 | 12 |

Research Students : 3

An association 'Chemical Society' has been formed to promote academic and extra-curricular activities in the Department. All the members of the teaching staff, regular students and research students of the Department are members of the Society. Weekly seminars are held under the auspices of the Society.

Library

The Library has now nearly 700 books and back volumes of 12 journals. The Department is subscribing for 30 scientific journals.

Research activities

The details of research work undertaken by the research students are given below :

| <i>Name of Research Student</i> | <i>Degree for which registered</i> | <i>Problem under investigation</i> |
|--|------------------------------------|---|
| Full-time | | |
| 1. Shri V. Ramanathan (Govt. of India Research Scholar) | Ph D. | Studies on anhydrous rare earth compounds (Training in advanced inorganic analysis completed) |
| Part-time | | |
| 2. Shri Noor Mohamad | Ph D | Studies on the complex compounds of rare earth metals |
| 3. Shri Mohamad Kutty | Ph D | Studies in the Chemistry of Medicinal Plants. |

3. Department of Botany

(St. Joseph's Colleges, Campus, Devagiri, Calicut)

Staff

Reader and Head of the Department } Dr. Kuruvilla George, M Sc., Ph D

Lecturers:

1. Dr T A Abraham, M Sc., Ph D
- 2 Dr K S Manilal, M Sc., Ph D.
(Joined on 3-9-1964)
- 3 Shri J Christopher, M Sc.
(Joined on 18-11-1964)

The activities of the Department mainly comprised in organising and equipping the Department for both post-graduate teaching and research in plant sciences.

Courses provided

The Department provides instruction for M Sc Botany and offers facilities for research leading to Ph.D.

Students

| (M. Sc. Botany) (1964-65) | Men | Women | Total |
|------------------------------|-----|-------|-------|
| Previous | 2 | 3 | 5 |
| Total | 2 | 3 | 5 |
| | 4 | 6 | 10 |
| Postgraduate students | 2 | | |

Research activities

The details of research work undertaken by the research students are given below :

| <i>Name of Research Student</i> | <i>Degree for which registered</i> | <i>Problem under investigation</i> | <i>Remarks</i> |
|---|--|--|---|
| 1. Shri T. K. Bala- krishna Panicker | Ph.D. | Studies on the ecology and embryology of Araceae | |
| 2. Shri James George | Ph.D. | Biological effects of plant growth sub- stances | Relieved at his request on 14-8-1964 |
| 3. Smt. Ammini Cheriyann | Ph.D. | Biological effects of plant growth sub- stances | |
| 4. Shri K. Gopinathan Nair | Ph.D. | Studies on the appli- cation and effects of plant hormones with special reference to forest trees of Kerala State | Discontinued from 19-10-1964 |

The research activities were carried on along the following lines:—

1. The rooting responses of various timber yielding forest trees to growth substances in air layering propagation and regeneration practices. The trees selected for the present study are *Terminalia paniculata*, *T. tomentosa*, *T. superba*, *Xylia xylocarpa*, *Dalbergia latifolia* and *Tectona grandis*.

2. The effect of plant growth substances in breaking dormancy of seeds of forest plants. Seeds of *Rauwolfia serpentina*, *Xylia xylocarpa* and *Pterocarpus marsupium* have been selected for this study.

3. An economic method of large scale destruction of *Pistia stratiotes* by herbicides has been investigated. A mixture of two contact herbicides has given very encouraging results.

4. Embryological studies of the family Araceae. Observations on the mode of development of the male gamete, embryonic and endosperm in *Lagenandra ovata* and *Typhonium flagelliforme* have been completed. One research paper is ready for publication.

4. Department of Zoology

(St. Joseph's College Campus, Devagiri, Calicut)

Staff

| | | |
|--------------------------------------|---|---|
| Reader and Head of the Department | } | Dr. K. K. Nayar, M.Sc., Ph.D. |
| Reader: | | Dr. K. J. Joseph, M.Sc., D.Sc. STATE (Pam), F.R.E.S. |

| | |
|------------|---|
| Lecturers. | 1. Dr. K. M. Alexander, M.A., Ph.D. |
| | 2. Dr. V. K. Kesava Prabhoo, M.Sc., Ph.D. |
| | 3. Shri P. T. Thomas, M.Sc. |

Dr. K. K. Nayar was on deputation to U. S. A. from July to September, 1964 with a grant from the Ford Foundation to visit various laboratories in that country and Japan where work on Comparative Endocrinology is being done.

Courses Provided

The Department provides instruction in Zoology for M.Sc. and facilities for research leading to Ph.D.

Students

| M.Sc. (Zoology) (1964-65) | Men | Women | Total |
|------------------------------|-----|-------|-------|
| Previous | 2 | 4 | 6 |
| Final | 3 | 3 | 6 |
| | 5 | 7 | 12 |

Research Students: 8

Research activities

The Department is conducting research work on

(1) Comparative Physiology and Scl. Biology, and (2) Entomology.

Research Center: Tinsukia

The Department started its research work on Comparative Physiology and Scl. Biology at Tinsukia during the year under report. The following research projects are being worked on -

1. The scheme on 'Reproductive Physiology of Insects' financed by the Ford Foundation, started functioning from 1st April, 1964 with Dr. K. K. Nayar as the principal investigator. After the selection of the research and the laboratory staff, the scheme started functioning in the newly set up laboratory in the Aquarium campus, from October, 1964. The following items of work are done under the scheme:
 - (i) Bio-chemical influence of Corpora Allata of Insects and Pheromones } by Dr. K. K. Nayar
 - (ii) The neurosecretory phenomena and disturbances in endocrine and reproductive cycles caused by the administration of Clomephene } by Shri K. G. Adiyodi
 - (iii) The comparative study of Corpora Allata and gonadic functions } by Shri P. I. Ittycheriah
2. A scheme of work on Reproductive Physiology of Crustacea has been started from November 1964 with financial assistance from PL 480 funds under the guidance of Dr. K. K. Nayar. Collaborating in this study Smt. Rita Gomez (U. G. C Junior Scholar) showed acceleration of gonadic developments by endocrine stimuli in the crab.
3. The scheme of work on Soil Microfauna of Kerala, financed by the Tea Board of India, is being continued in the Department and under this scheme Shri N. R. Prabhoo has made extensive investigations on Micro-oligochaets and Collembola of the soil. He studied the fluctuations of their populations in the soil based on artificial disturbances like manuring, insecticidal applications, etc.
4. Financed by the Atomic Energy Establishment a scheme of work on Cytogenetics of Collembola of the Monazite belts has been started. Shri S. G. Pillai who is working on the scheme has gone into details of chromosomal configurations in animals of the control and radiation belts.
5. Dr. V. K. K. Prabhu completed during the tenure of an N. I. S. Fellowship, a study on the 'Neurosecretory cells of the insects analysing them interferometrically, which has helped in validating different types of such cells within the brain.

Research at Calicut

The scheme of research on 'StaFes (Taxonomy, Bionomics and Morphology) on the fig inhabiting chalcididae of India' submitted by Dr. K. J. Joseph to the C. S. I. R., New Delhi, has been sanctioned. The post of a Research Assistant with a Fellowship of Rs. 240/- per m. has also been sanctioned for the scheme.

During the year, the following research projects were being investigated in the fields of Comparative Animal Physiology and Hydrobiology:-

1. *Distribution pattern of lipids in certain tissues of fishes - by Dr. K. M. Alexander*

Investigations on lipid content of skeletal muscles taken from different definite regions of the body and other edible tissues such as liver and brain were conducted on two fishes *Oph. cephalus* sp. and *Arius* sp. Results obtained indicate that definite variations exist in lipid distribution in muscles taken from different parts of the body.

It has been planned to assay the different muscles and tissues of fishes for glycogen also, so that a comprehensive picture of distribution pattern of energy reserves could be obtained.

2. *Free amino acid content in tissues of fishes and their alterations under experimental conditions of storage - by Dr. K. M. Alexander*
Preliminary investigations on this project have been initiated.

3. *Hydrobiological survey of fresh water concentrations of Kerala State with special reference to physiology of certain groups*

This project is being investigated by Shri Varkey John, Government of India Research Scholar, who is working in the Department for the Degree of Ph. D. under the supervision of Dr. K. M. Alexander.

This scheme is especially concerned with a thorough survey of the hydrobiological features of fresh water bodies of Kerala along with a study of the physiological traits of certain animals living in this habitat.

Water samples were collected regularly from different stations of Kollam and Brynnam lakes and Manassery tank for physicochemical and plankton analysis. Interesting variations in both physical and biological factors have been observed at the different stations concerned.

Studies on oxygen utilization and colour change mechanisms of *Macromus chrysus* have been conducted. Further the pollution effects by industrial wastes on the river water at Mavur would be studied and physiological investigations continued.

Research work was carried out by the research students working for Ph. D. in the Department on the problems noted below against each:

| <i>Name of Research Student</i> | <i>Problem under investigation</i> |
|-------------------------------------|--|
| 1. Shri N. R. Prabhu | Studies on Collembola |
| 2. Smt. P. Santhakumari | Regeneration |
| 3. Smt. Maya Menon | Juvenile hormone in insects |
| 4. Smt. Rita Gomez | Crustacean Endocrinology |
| 5. Shri K. R. Seshan | Development and endocrines in insects |
| 6. Shri Bhushan Lal Bradoo | A study of the spiders of genus <i>Stegodyphus</i> with particular reference to their social Biology and Behaviour |
| 7. Shri B. Varkey John | — |
| 8. Shri B. Karunakaran Nair | — |

RESEARCH DEGREES

The following research students were declared eligible for the award of the degrees noted against their names on the results of the adjudication of theses submitted by them:—

| <i>Name</i> | <i>Degree</i> | <i>Subject of thesis</i> |
|-------------------------------|---------------|---|
| 1. Shri T. N. Pattabhiraman | Ph. D. | Metabolism of Amino Sugars in the Nervous Tissues |
| 2. Shri K. Narayanan Kartha | Ph. D. | Studies on the Separation of Rare Earths, Their Refractory Properties and Application in the Preparation of Sillimanite and Zircon Refractories |
| 3. Shri A. S. Balasubramanian | Ph. D. | Inorganic Sulphate Metabolism |

| | <i>Name</i> | <i>Degree</i> | <i>Subject of thesis</i> |
|----|--------------------------------|---------------|--|
| 4. | Shri K. Sadasivan Pillai | Ph. D. | The Fatty Acid Constituents of the Liver Oil of <i>Odonas Niger</i> (Ruppell) |
| 5. | Shri V. K. Kesava Prabhu | Ph D | Studies on the Neuro-anatomy and the Neuro-secretory System of the Millipede <i>Jonespettia Splendidus</i> Verhoeff (Arthropoda) |
| 6. | Shri M. P. Steelumaran Nair | Ph D. | The Role of Constitutionalism in the Indian Struggle for Freedom, 1885-1947 |
| 7. | Shri S. Arethystalingom Pillai | Ph D | Description of the Language of <i>Patu Ruppittu</i> |
| 8. | Shri C. P. Somasundaram | M. Litt | Rorschach Responses of People of Kerala - A Normative Study |

RESEARCH SCHOLARSHIPS AND FELLOWSHIPS

1. University Research Fellowships

(1) *University Junior Research Fellowships of the value of Rs. 1500 p.m.*
Fifteen Junior Research Fellowships awarded during the previous years were continued during the year. Thirty fellowships were newly awarded.

The following candidates were in receipt of University Junior Research Fellowships during the year under report -

| | <i>Name</i> | <i>Degree</i> | <i>Subject</i> | <i>Date of commencement</i> |
|----|-----------------------------|---------------|----------------|-----------------------------|
| 1. | Shri C. V. Padminabhan | Ph D. | Philosophy | 31.8.1962 |
| 2. | Smt. P. K. Suteela | Ph D | do | 17.8.1963 |
| 3. | Rev. C. C. Mathew | Ph D | do | 1.10.1963 |
| 4. | Shri N. Kumaran | Ph D. | History | 11.9.1963 |
| 5. | Smt. D. Jayalakshmi Amma | Ph D | do | 26.9.1963 |
| 6. | Smt. K. Devi | Ph D. | do | 30.9.1963 |

| <i>Name</i> | <i>Degree</i> | <i>Subject</i> | <i>Date of commencement</i> |
|------------------------------------|---------------|----------------|--|
| 7. *Shri K. V. Bhanujan | Ph. D. | Economics | 7-9-1963 |
| 8. Shri M. Sasidharan Nair | Ph. D. | do. | 29-1-1964 |
| 9. Smt. M. Saralakumari | Ph. D. | do. | 30-9-1964 |
| 10. Shri K. Kesava Panicker | Ph. D. | Politics | 17-8-1963 |
| 11. Shri N. Chandrasekharan Pillai | Ph. D. | do. | 12-9-1964 |
| 12. Shri J. Darwin | Ph. D. | do. | 12-9-1964 |
| 13. Shri V. Gopalakrishnan Nair | Ph. D. | do. | 12-9-1964 |
| 14. Shri V. Ramachandran Nair | Ph. D. | Psychology | 2-11-1961 (left on 27-7 1964) |
| 15. Shri P. N. Oommen Tharakan | Ph. D. | do. | 3-9-1962 (left on 27-11-1964) |
| 16. Shri B. Dharmangadan | Ph. D. | do. | 12-9-1964 |
| 17. Rev. George Theckedath | M.Litt. | English | 14 1-1964 |
| 18. Smt. P. Padmavathy | Ph. D. | Mathematics | 11-4-1963 |
| 19. Smt. Ammini Cheriyan | Ph. D. | Botany | 28-9-1964 |
| 20. Shri M. V. Benny | Ph. D. | do. | 3-10-1964 |
| 21. Shri T. Thomas | Ph. D. | Zoology | 12-9-1964 |
| 22. Shri A. G. Govindankutty | Ph. D. | Marine Biology | 11-9-1963 |
| 23. Shri R. Damodaran | Ph. D. | Oceanography | 24-9-1964 (Awarded C. S. I. R. Jr. Fellowship from 1-12-1964) |
| 24. Shri N. Janardhanan Pillai | Ph. D. | Malayalam | 7-10-1963 |
| 25. Shri V. Subramonia Sarma | Ph. D. | do. | 6-10-1964 |
| 26. Shri K. B. Mohamed Hassan | M. Litt. | do. | 17-9-1963 |
| 27. Smt. P. S. Prasannakumari | M. Litt. | do. | 1-10-1964 |
| 28. Shri R. Paneerselvam | Ph. D. | Tamil | 14-1-1964 |
| 29. Shri A. Govindankutty | Ph. D. | do. | 16-4-1964 |
| 30. Smt. Gloria Sundaramathy | Ph. D. | do. | 25-9-1964 |
| 31. Shri P. R. Subramonian | Ph. D. | do. | 1-10-1964 |
| 32. Shri N. Rajagopalan | Ph. D. | do. | 1-10-1964 |

*Scholarship awarded during the year with retrospective effect

| Name | Degree | Subject | Date of commencement |
|--------------------------------------|---------|-----------|----------------------------------|
| 33. Shri M. E. Manickavasagam Pillai | M.Litt. | Tamil | 22-3-1961 |
| 34. Shri S. Gnanamuthu | M.Litt. | do | 17-5-1961 |
| 35. Smt. C. Padmavathy Amma | M.Litt. | Sanskrit | 19-10-1961 |
| 36. Smt. M. Easwari | Ph.D. | Hindi | 16-9-1963 (left on 21-9-1964) |
| 37. Shri R. Raman Namboori | M.Litt. | do | 26-9-1964 |
| 38. Shri T. K. Ramakrishnan | Ph.D. | Law | 25-9-1963 |
| 39. Shri M. Ramamurthy Sarmu | Ph.D. | do. | 14-1-1964 |
| 40. Shri N. Narayanan Nair | Ph.D. | do | 27-9-1964 |
| 41. Shri K. J. Joseph | Ph.D. | Education | 21-8-1963 |
| 42. Smt. Vasantha Ramkumar | Ph.D. | do. | 14-1-1964 |
| 43. Smt. G. Kamalamma | Ph.D. | do. | 15-9-1964 |

Shri Ashok Koshy Muthalaly and Shri P. N. Divakara Kurup who were awarded University Junior Research Fellowships in English and Sanskrit respectively during the year, did not report.

(ii) *University Senior Research Fellowships of the value of Rs. 300/- p.m.*

Seven University Senior Research Fellowships were newly awarded during the year.

The following candidates working for the Ph.D. degrees in the subjects noted against each were in receipt of University Senior Research Fellowships during the year under report -

| Name | Subject | Date of commencement |
|-----------------------------|----------------|----------------------|
| 1. Smt. G. Rajamma | History | 7-9-1962 |
| 2. Shri K. Govindankutty | Physics | 5-10-1964 |
| 3. Smt. K. Saramma | Chemistry | 22-2-1964 |
| 4. Shri N. Ramiah | do | 1-10-1964 |
| 5. Shri N. Narayana Pillai | Botany | 17-5-1964 |
| 6. *Shri Russel Solomon | do | 4-9-1964 |
| 7. Shri D. Karunakaran Nair | Zoology | 22-10-1964 |
| 8. Smt. T. Mariamma Thomas | Marine Biology | 1-2-1964 |
| 9. Shri Mohan Mathew | Education | 14-7-1964 |

* Shri Russel Solomon is included in the post graduate staff.

Smt. K. P. Subhadra Amma who was awarded a University Senior Research Fellowship in Linguistics during the year, did not report.

(iii) *University Junior Research Fellowships (one each) in Marine Biology and Oceanography of the value of Rs. 300/-p. m.*

The following candidates working for the Ph.D. degree in the Department of Marine Biology and Oceanography, Ernakulam, were in receipt of the Fellowships during the year :—

| <i>Name</i> | <i>Subject</i> | <i>Date of commencement</i> |
|-----------------------|----------------|-----------------------------|
| 1. Smt. M. Saraswathy | Marine Biology | 18-4-1963 |
| 2. Shri P. J. Thomas | Oceanography | 14-1-1963 |

II. GOVERNMENT OF INDIA RESEARCH TRAINING SCHOLARSHIPS

Eleven scholarships of the value of Rs. 250/- each per mensem awarded during the previous years were continued during the year. Nineteen scholarships were newly awarded: All the scholarship holders are working for the Ph.D. degree and the scholarships held by them are tenable for a period of three years from the date of commencement.

The following candidates were in receipt of the scholarships during the year :—

| <i>Name</i> | <i>Subject</i> | <i>Institution in which working</i> | <i>Date of commencement</i> |
|-------------------------------|----------------|--|-----------------------------|
| 1.*Shri J. Sundara Raja | Statistics | University Department of Mathematics and Statistics, Trivandrum. | 9-9-1963 |
| 2. Shri M. Lalu | do. | do. | 20-1-1964 |
| 3. Smt. Mariamma P. Mathew | Physics | University Department of Physics, Union Christian College, Alwaye. | 4-5-1964 |
| 4. Shri K. Babu Joseph | do. | do. | 26-9-1964 |

* Scholarship awarded during the year with retrospective effect.

| Name | Subject | Institution in which working | Date of commencing |
|--|----------------------|---|--|
| 5. Shri P. Madhava Kaimal | Applied Chemistry | University Department of Chemistry, Tiruvandrum. | 10-1-1961 |
| 6. Shri G. Radha- Krishnan Potti | Bio- Chemistry | do. | 12-1-1961 |
| 7. Shri V. Ramanathan | Applied Chemistry | University Department of Chemistry, Farook College, Tiruko. | 22-2-1961 |
| 8. Shri M. Rajasekharan Nair | Chemistry | University Department of Chemistry, Tiruvandrum. | 1-1-1961 |
| 9. Shri K. V. Bhava- nandan | Botany | University Department of Botany, Tiruvandrum | 10-10-1961 (Scholarship terminated on 9-10-1961) |
| 10. Smt. Phlominia Madhavadian | do | do | 17-3-1962 |
| 11. *Shri P. N. Chandras- sekharan Nair | do. | do | 9-9-1961 |
| 12. Shri J. Stephen | do | do | 11-3-1961 |
| 13. Smt P. Santhakumari | Zoology | University Department of Zoology, Tiruvandrum. | 4-5-1961 |
| 14. Shri P. Rabinathanath | do. | University Department of Marine Biology & Fisheries, Tiruvandrum. | 1-4-1961 |
| 15. *Shri K. R. Seshan | do | University Department of Zoology, St. Joseph's College, Devagudi. | 11-10-1961 |
| 16. Shri Vathek J. S. S. | do. | do. | 1-9-1961 |
| 17. Smt. C. Arayalakshmi | do. | Saraswathi Dharma College, Arany | 1-9-1961 |

| <i>Name</i> | <i>Subject</i> | <i>Institution in which working</i> | <i>Date of commencement</i> |
|---|----------------|--|-----------------------------|
| 18. Smt. G. Saraswathi Ammal | Marine Biology | University Department of Marine Biology & Fisheries, Trivandrum. | 10-3-1962 |
| 19. Smt. Susan Chacko | do. | do. | 7-9-1962 |
| 20. *Smt. Saramma Abraham | do. | University Department of Marine Biology & Oceanography, Ernakulam. | 9-9-1963 |
| 21. *Shri N. Ravindranatha Menon | do. | do. | 12-12-1963 |
| 22. Shri Kunjuraman Nair | do. | University Department of Marine Biology & Fisheries, Trivandrum. | 31-7-1964 |
| <i>Under Private College Teachers' Scheme</i> | | | |
| 23. Shri Y. Sitaraman | Mathematics | Ramanujam Institute, Madras. | 1-6-1963 |
| 24. T. K. Balakrishna Panicker | Botany | Department of Botany, University Centre, Calicut. | 17-7-1963 |
| 25. Shri Jacob Thomas | Zoology | Sanatana Dharma College, Alleppey. | 1-5-1961 |
| 26. Shri K. Krishna Pillai | do. | Department of Marine Biology & Fisheries, Ernakulam. | 9-9-1963 |

The following candidates who were awarded the Government of India Research Training Scholarships during the year in the subjects noted against each, did not report:—

| <i>Name of Candidate</i> | <i>Subject</i> |
|-----------------------------|-------------------|
| 1. Shri Y. Sankaran | Mathematics |
| 2. Smt. N. Ramani | Statistics |
| 3. Shri V. Vijayakumar Babu | Chemistry |
| 4. Shri M. Nandakumaran | Applied Chemistry |

(iv) *Government of India Research Scholarships of the value of Rs. 100/-p. m. for students from Non-Hindi Speaking States*
Smt. L. Sushamma Bai, a candidate working for the Ph.D. degree in Hindi in the University Department of Hindi, Ernakulam, was awarded

*Scholarship awarded during the year with retrospective effect.

a Government of India Research Scholarship in Hindi of the value of Rs. 100/- p.m. set apart for students from non-Hindi speaking states from 13-2-1964.

III. University Grants Commission Research Scholarships and Fellowships

(i) University Grants Commission Research Scholarships of the value of Rs. 200/- p.m.

Nine University Grants Commission Research Scholarships awarded during the previous years were continued during the year.

Six scholarships were newly awarded

The following candidates working in the University Departments for the Ph. D. degree during the year were in receipt of the U. G. C. Research Scholarships:—

| Name | Subject | University Department in which the candidate is working | Date of commence- ment |
|-----------------------------------|------------|---|---|
| 1. Shri A. Prasanna Kumar | Economics | Department of Economics, Tiruvandrum. | 1-10-1963 (Left on 29-4-1964) |
| 2. Shri T. J. Chandra- choodan | Politics | Department of Politics, Tiruvandrum. | 1-9-1962 (Scholarship terminated on 30-5-1964) |
| 3. *Shri K. Sadasivan Nair | do. | do. | 24-9-1963 |
| 4. Shri V. George Mathew | Psychology | Department of Psychology, Tiruvandrum | 1-9-1963 |
| 5. Smt. Martha Thomas | do. | do. | 12-9-1964 |
| 6. Shri P. K. Abubakar | Botany | Department of Botany, Tiruvandrum | 9-10-1964 |
| 7. Smt. Rita Gomez | Zoology | Department of Zoology, St. Joseph's College, Dindur | 23-2-1963 |
| 8. Shri B. S. Anbal Prasad | do. | do. | 12-9-1963 |

* Scholarship awarded during the year 1963-64.

| <i>Name</i> | <i>Subject</i> | <i>University Department in which the candidate is working</i> | <i>Date of commence- ment</i> |
|--------------------------------------|-------------------|--|---------------------------------------|
| 9. Shri Varghese P. Oommen | Marine Biology | Department of Marine Biology, Ernakulam. | 1-10-1964 |
| 10. Shri T. Velavan | Tamil | Department of Tamil, Trivandrum. | 17-3-1962 |
| 11. Shri Ayyadurai Damodaran | do. | do. | 17-3-1962 |
| 12. Shri Veeraswami Venkitachalam | do. | do. | 31-12-1962 |
| 13. Shri Hariharan Unnithan | Hindi | Department of Hindi, Ernakulam. | 16-7-1963 |
| 14. Shri R. S. Rama- chandran | do. | University Library, Trivandrum. | 24-9-1964 |
| 15. Smt. Achamma George | Education | Department of Edu- cation, Trivandrum. | 19-9-1961 (Left on 14-7-1964) |

(ii) *University Grants Commission Junior Research
Fellowships of the value of Rs. 300/- p.m.*

One University Grants Commission Junior Research Fellowship awarded during the previous year was continued during the year.

Three fellowships were newly awarded.

The following candidates working in the University Departments for the Ph.D. degree during the year were in receipt of the U.G.C. Junior Research Fellowships :—

| <i>Name</i> | <i>Subject</i> | <i>University Department in which the candidate is working</i> | <i>Date of commence- ment.</i> |
|------------------------------------|----------------|--|--|
| 1. Shri P. I. Kuriachan | Botany | Department of Botany, Trivandrum. | 11-3-1964 |
| 2. Shri K.V. Bhavanandan | do. | do. | 10-10-1964 |
| 3. Shri P. V. Velayudhan Pillai | Malayalam | Department of Mala- yalam, Trivandrum. | 2-12-1963 |
| 4. Shri K. Sivadasan Pillai | Education | Department of Edu- cation, Trivandrum. | 5-8-1964 |

VI. C. S. I. R. Research Fellowships

Two junior and one senior C. S. I. R. Research Fellowships were newly awarded.

The following candidates were in receipt of the C. S. I. R. Research Fellowships during the year :-

| <i>Name</i> | <i>Degree for which registered</i> | <i>Subject</i> | <i>Fellowship awarded</i> | <i>Date of commencement</i> |
|--------------------------|------------------------------------|----------------|---------------------------------------|-----------------------------|
| 1. Smt. V. Malathy Devi | Ph.D. | Physics | Junior Fellowship (Rs. 250/- p.m.) | 17-9-1963 |
| 2. Smt. P. Bhamambal | Ph.D. | do. | do. | 23-12-1963 |
| 3. Shri R. Damodaran | Ph.D. | Marine Biology | do. | 1-12-1963 |
| 4. Dr. S. Mariam | Post-doctoral | Physics | Senior Fellowship (Rs. 400/- p.m.) | 26-5-1963 |
| 5. Dr. K. V. Rajalakshmi | do. | do. | do. | 20-11-1963 |
| 6. Dr. Anna J. Philip | do. | Marine Biology | do. | 10-1-1964 |

CHAPTER III

AFFILIATED COLLEGES

The colleges affiliated to the University fall under two categories:-

1. Colleges maintained by Government
2. Colleges maintained by private managements

Colleges maintained by Government

| | |
|--|----|
| (a) Number of colleges on 1-1-1964 | 27 |
| (b) Junior College newly started during the year 1964 | 1 |
| (c) Number of colleges on 31-12-1964 | 28 |

Colleges maintained by private managements

| | |
|---|----|
| (a) Number of colleges on 1-1-1964 | 63 |
| (b) Number of Junior Colleges newly started during the year 1964 | 32 |
| (c) Number of colleges on 31-12-1964 | 95 |

The total number of colleges affiliated to the University during the year under report was 123.

Colleges newly started

The details of the 33 Junior Colleges — imparting instruction for the Pre-Degree Course — newly started during the year 1964 are given below :-

| College | Location | Sanctioned strength in 1964-65 | | Principal | Management |
|---|---------------|-----------------------------------|------|---|---|
| | | Science | Arts | | |
| 1. Government College (Mixed College) | Calicut | 2 | 1 | Sri K R Ramakrishnan, M.A., L.T. | State Government |
| 2. Government Arts and Science College (Colleges maintained by private management) | | | | | |
| (Mixed Colleges) | | | | | |
| 3. Bhashini College | Kottayam | 4 | 2 | Dr. A. P. Mani, M.Sc., D.Phil. | H. F. the Catholics, Kottayam. |
| 4. Bishop Moore College | Mavelikatti | 1 | 2 | Rev K. C. Mathew, M.Sc. | Rt. Rev. M. M. John, Bishop of Central Travancore, Kottayam |
| 5. Christian College | Cherappuzha | 1 | 1 | Rev. A. A. Pyle, M.A. | Managing Body of the Mar Thomas Church, Chengannur. |
| 6. St. Mary's College | Kottayam | 1 | 1 | Dr. N. A. Thomas, M.A. (hon.), D.D. | Managing Board, St. Mary's Forane Church, Kuttavilargad. |
| 7. Devanampooram College | Southemangudi | 1 | 1 | Sri N. Chellappan Kannan, M.A. (Hons.) | Travancore Devanampooram Board, Tiruvananthapuram. |

| College | Location | Sanctioned strength in batches of eighty (1964-'65) | | Principal | Management |
|--|----------------------------|---|------|--|--|
| | | Science | Arts | | |
| 7. Iqbal College | Peringamala | 2 | 1 | Shri C. K. Abdul Karim, M.A. LL.B. | Iqbal College Trust, Peringamala. |
| 8. Milad-e-Sherief Memorial College | Kayamkulam | 2 | 1 | Shri C. M. Syed Mohideen Shah, M.A., LL.B. | Central Travancore Muslim Educational Trust, Kayamkulam. |
| 9. Newman College | Thodupuzha | 3 | 1 | Rev. Dr. Theobald, M.Sc., Ph.D. | Bishop of Kothamangalam, Kothamangalam. |
| 10. Nirmalagiri College | Kuthuparamba | 4 | 1 | Rev. Fr. Antony Kurialacherry, B.A. (Hons.), M.A., M.Ed., D.Ed. | Manager, St. Joseph's Basic Training School, Wyanad. |
| 11. N. S. S. College | Nilamel (Kottarakara) | 1 | 2 | Shri V. N. Krishna Pillai, M.Sc. | N. S. S., Changanacherry. |
| 12. N. S. S. College | Pallipuram (Shertallai) | 3 | 1 | Shri N. Govindan Unni, M.A., B.L. | do. |
| 13. Pazhassi Raja N. S. S. College | Mattannur | 3 | 1 | Shri C. K. Narayana Kurup, M.A. | do. |
| 14. S. N. M. Junior College | Maliankara | 4 | 1 | Shri P. Kochunni Pani- cker, B.A. (Hons.), L.T. | H. M. D. P. Sabha, Moothakunnam, N. Paroor. |

| No. | College | Location | Scientific and Literary Exhibitions (1904-05) | | Principal | Address |
|-----|----------------------|----------------------------------|---|------------|--|---|
| | | | Science | Literature | | |
| 15 | See Narayana College | Guntur | 3 | 1 | Shri N. Narayanaiah Nair, M.A. | Guntur Desam, Guntur. |
| 16 | See Narayana College | Chennarayana | 3 | 1 | Shri T. C. Rajan, M.A., M.B. | See Narayana Temple, Qulion. |
| 17 | See Narayana College | Special | 1 | 1 | Shri P. S. Sathya Das, M.A. | do. |
| 18 | See Narayana College | Singon (Narkala) | 4 | 2 | Shri P. K. G. Purnima- tharam, M.A., M.L. | do. |
| 19 | See Narayana College | Pulmon Junction (K. Narayana) | 1 | 2 | Shri A. K. Kumar, M.A. | Most Rev. Bishop Mar Cassius, Robert's House, Qulion. |
| 20 | See Narayana College | Arad | 4 | 1 | Rev. Fr. Philip C. Parthod, M.A. | The Vicar General, Arch. Diocese of Hyderabad, Hyderabad. |
| 21 | See Narayana College | K. Narayana | 1 | 1 | Rev. Fr. V. M. Gee- varbhose, M.A. | The Christian, St. Peter's High School, K. Narayana. |
| 22 | See Narayana College | Paradipatnam | 3 | 2 | Shri T. C. Joseph, M.A. | Most Rev. Mar Thoma Diocesan, St. Peter's Monas- try, Paradipatnam. |

| College | Location | Sanctioned strength in batches of eight (1964-65) | | Principal | Management |
|--|---|---|------|--|--|
| | | Science | Arts | | |
| 23. St. Stephen's College | Uzhavoor | 2 | 1 | Rev. Fr. Peter Uralil, B.A. (Hons.), B.T. | The Manager, Our Lady of Lourdes English High School, Uzhavoor. |
| 24. St. Thomas College | Ranni | 3 | 1 | Shri K. A. Mathew, M.Sc. | The Corporate Manager for Schools under St. Thomas Valiya Pally, Ranni. |
| 25. T. K. Madhavan Memorial College | Nangiarkulangara | 4 | 1 | Dr. V. Karunakaran, M.A., Ph.D. | Sree Narayana Trusts, Quilon. |
| 26. Velu Thampi Memorial N. S. S. College | Dhanuvachapuram | 4 | 2 | Shri N. Chandrasekharan Nair, M.A., LL.B. | N. S. S., Changanacherry. |
| <i>For Boys</i> | | | | | |
| 27. Kuriakose Elias College | Mannanam | 3 | 1 | Rev. Fr. Papias, M.A., B.T. | The Manager, St. Joseph's Training College, Mannanam. |
| 28. Loyola College | Kazhakootam (Located in Loyola Institute of Sociology, Cheruvikal, Trivandrum) | 3 | 1 | Rev. Fr. Joseph Puthenkalam, M.A. | The Provincial and President of Kerala Jesuit Society, Loyola Institutions, Cheruvikal, Trivandrum. |

| College | Teacher | National strength in batches of eight (1954-55) | Principal | Management |
|--------------------------|------------|---|--|--|
| For Girls | | | | |
| 37. St. Xavier's College | Trivandrum | 3 | 1 Miss Margaret Paulose, M.A., L.T. | The Mother-General, Holy Angel's Convent, Trivandrum. |
| 38. Alphonsa College | Palai | 4 | 1 Rev. Dr. N. M. Thomas, M.A., Ph.D. | The President, Managing Board, St. Thomas College, Palai. |
| 39. Mercy College | Palghat | 3 | 1 Sr. M. Chrysantha, M.A. | The Mother-General, and Manager, St. Mary's College, Trichur. |
| 32. St. Joseph's College | Impalabada | 3 | 1 Sr. Franco, M.A., M.T. | The Mother-General, Kushi- Moly Pami's Convent, Kushi- Kattassery (Trichur District) |
| 33. St. Xavier's College | Alwaye | 3 | 1 Rev. Sr. Mary Redempta, M.A., M.B., Ph.D. | The Mother-General, St. Joseph's Convent, Varapuzha. |

New Courses

The new courses/subjects for the existing courses introduced in the various colleges during the academic year 1964-'65 are the following:—

| <i>College</i> | <i>New Course/Subject</i> |
|--|--|
| 1. Maharaja's College, Ernakulam. | (i) B. A. (Politics) (ii) B. A. (Philosophy) |
| 2. Government College, Kasaragod. | B. Sc. (Physics) |
| 3. Government College, Madappally. | (i) B. Sc. (Zoology) (ii) B. Com. |
| 4. Government Sanskrit College, Pattambi. | Pre-degree |
| 5. St. Berchmans' College, Changanacherry. | (i) B. A. (English) (ii) M. Sc. (Chemistry) |
| 6. C. M. S. College, Kottayam. | B. Sc. (Botany) |
| 7. Sanatana Dharma College, Alleppey. | M. Sc. (Mathematics) |
| 8. Mahatma Gandhi College, Trivandrum. | (i) B. A. (Malayalam) (ii) B. A. (Hindi) (iii) M. Sc. (Physics) |
| 9. Sree Narayana College, Quilon. | (i) M. A. (Malayalam) (ii) M. Sc. (Zoology) (iii) 'Income-tax Law and Practice' as an optional subject instead of 'Rural Economics and Co- operation' for B. Com. |
| 10. N. S. S. Hindu College, Changanacherry. | (i) M. A. (History) (ii) M. A. (Malayalam) (iii) M. Sc. (Mathematics) (iv) Botany Subsidiary for B. Sc. Zoology Main |

| <i>College</i> | <i>New Course/Subject</i> |
|---|--|
| 11. N. S. S. College, Pandilam | (i) M. A. (English) (ii) M. Sc. (Chemistry) (iii) 'Statistics' as a subsidiary subject for B. A. (Economics) |
| 12. St. Thomas College, Palai. | M. Sc. (Chemistry) |
| 13. Fatima Mats National College, Quilon. | (i) M. Sc. (Physics) (ii) M. Sc. (Zoology) |
| 14. Catholicate College, Pallaracimutha | (i) B. A. (English) (ii) B. A. (Hindi) (iii) B. Sc. (Zoology) |
| 15. Christ College, Irinjalakuda | B. A. (English) |
| 16. Mar Athanasius College, Kothamangalam. | B. A. (English) |
| 17. St. Albert's College, Pinnakulam. | (i) M. Sc. (Mathematics) (ii) M. Sc. (Botany) |
| 18. St. Thomas College, Thiruvananthapuram | (i) M. A. (English) (ii) M. Sc. (Mathematics) (iii) 'Industrial Organization and Cost Accounts' as special subject for B. Com. instead of 'Rural Economics and Co-operation' |
| 19. Stree Natayana College for Women, Quilon. | (i) B. A. (History) (ii) B. A. (Malayalam) (iii) M. Sc. (Home Science) special subject being 'Home Management'. |
| 20. N. S. S. College for Women, Tiruvananthapuram | B. Sc. (Mathematics) |
| 21. St. Mary's College, Thiruvananthapuram | B. A. (Sociology) |
| 22. Sacred Heart College, Thiruvananthapuram | (i) B. A. (Sociology) (ii) M. A. (English) |

| <i>College</i> | <i>New Course / Subject</i> |
|---|--|
| 23. Institute of Sociology, Trivandrum. | M. S. W. |
| 24. Union Christian College, Alwaye | 'Spectroscopy' as a special subject for M. Sc. (Physics) |
| 25. Catholicate College, Pathanamthitta. | 'Syriac' as a second language for the Pre-University. Pre- degree and Degree courses. |
| 26. Malabar Christian College, Calicut. | (i) 'Statistics' as a full subsidiary Subject for B.Sc. Mathematics main (ii) German under Part II of B.A. / B.Sc. degree courses. |
| 27. St Teresa's College, Ernakulam. | 'Child Development' as an optional subject for M. Sc. (Home Science) |
| 28. St. Joseph Training College for Women, Ernakulam | Methods of Teaching Physical Science and Methods of Teach- ing Natural Science as optional subjects for B. Ed. |
| 29. S. N. M. Training College, Moothakunnam. | Methods of Teaching Natural Science as an optional subject for B. Ed. |
| 30. Farook Training College, Feroke. | do. |
| 31. Medical College, Trivandrum. | D. C. H. ' |

The first year of the two year Pre-degree course was started during the year in all the Arts and Science Colleges and Sanskrit Colleges which provided instruction for the Pre-University course and in all the junior colleges newly started. The one year Pre-University Course was also continued during 1964-'65 in 42 colleges for the benefit of candidates who were eligible to appear for the S. S. L. C. examination of March 1963 or earlier and qualified for admission to the University.

During the year 1964-'65 sanction was given to the following colleges for starting the courses noted against each :—

| <i>College</i> | <i>New Course</i> |
|---|--|
| 1. Mar Ivanios College, Trivandrum | II A (Psychology) |
| 2. Mar Athanasius College, Kothamangalam | II A. (Hindi) |
| 3. Institute of Sociology, Trivandrum | B A (Sociology) |
| 4. Medical College, Trivandrum | (1) M. D. (Pharmacology) (2) D. M. R. |

But the courses were not started during the year under report

General

The minimum age prescribed for admission to the Pre-Degree Course is 14 years on 1st October of the year of admission.

Consequent on the large number of undetaped students who applied for admission to the Pre-Degree course, the following relaxations from the minimum age rule prescribed for admission to the course were made for the year 1964-'65 :—

(i) Admission of candidates who completed 14 years and 6 months on the 15th of July 1964 (viz., those who were born on or before 15.7.1951) to the first year of the Pre-Degree course during 1964-'65 was allowed.

(ii) Further as a special case, those who would complete 14 years of age on 1.4.1965 (viz., those who were born on or before 1.4.1951) and have obtained an aggregate of 60% or more marks in the S. S. L. C. examination or its equivalent were all not to go to the first year of the Pre-Degree course if the Principals were satisfied about their physical fitness and mental maturity and the local Director of studies was in favour of the minimum age rule.

As regards candidates who passed the S. S. L. C. examination conducted by the Kerala State in March 1961 or earlier but were not yet admitted to the pre-vest Pre-Degree course during 1964-'65

because of the age rule, it was decided that all such candidates be considered eligible for admission to the one-year Pre-University course without any age restriction. It was also decided that candidates who had passed the Madras S. S. L. C. examination after 11 years of institutional study be considered eligible for admission to the one-year Pre-University course provided they satisfied the age rule.

As regards admission to the B. Ed. course, the upper age limit was reintroduced, it being fixed on the basis of Government rules for recruitment of teachers. Twenty-seven years on 1st July 1964—relaxable by three years in the case of backward classes—was prescribed as the upper age limit for admission to the B. Ed. Course during 1964-'65. In the case of (a) teachers in regular service—the number of years spent as a teacher—and (b) ex-service men—the period of service put in the Defence Forces, would be deducted in calculating the upper age limit.

The following minimum requirements were prescribed for admission to the Pre-professional course in Medicine:—

Candidates for admission to the Pre-professional course in Medicine should have passed the University Previous Examination, or any other examination accepted by the Syndicate as equivalent thereto obtaining not less than 50 per cent of the marks in each of the subjects—Physics, Chemistry and Biology. Candidates belonging to (a) Scheduled Castes, (b) Scheduled Tribes, (c) Converts to Christianity from Scheduled Castes and Scheduled Tribes, and (d) Other Backward Communities, who seek admission to the Pre-professional course in Medicine should have passed the University Previous Examination or any other examination accepted by the Syndicate as equivalent thereto obtaining not less than 45 per cent of the marks in each of the subjects, Physics, Chemistry and Biology.

Admissions

With the coming out of the first batch of students who passed the S. S. L. C. examination of March-April 1964 after ten years schooling there was an exceptionally large number of applicants for admission to the Pre-degree course. To meet the situation, permission was granted for starting 33 new junior colleges. Permission was also given to the Arts and Science Colleges to increase their intake for the Pre-degree course subject to availability of necessary accommodation,

library and laboratory facilities, staff etc. As an emergency measure, marginal increase limited up to 10 per cent in the case of Arts/Humanities batches and 5 per cent for Science batches of the Pre-degree course was permitted for the year 1964-65.

Based on the recommendations of inspection committees, increase in strength for 1964-65 was sanctioned for the post and post-graduate courses in Arts/Humanities and Science subjects in the Colleges which applied for it. Marginal increases for B.Sc. (Mathematics), B.A. (Arts) and B.Com. courses were also permitted.

The procedure adopted in the previous years was followed for the selection of candidates for admission to the B. Ed. course during 1964-65 also. The number of seats to be filled up by the University during 1964-65 for the B. Ed. course was 61 per cent in each private training college and 37 per cent in each Government Training College—the total number of seats being 1,550. Admissions to private training colleges in the University quota were made in the order of merit based on the principles laid down by the Committee appointed by the Syndicate for the purpose and the rules laid down by the Public Service Commission for recruitment to public service.

Strength of students and teachers

Statements showing the strength of students and teachers during 1964-65 in (1) Arts and Science and Oriental Studies Colleges, and Oriental Title Institutions, (2) Junior Colleges and (3) Professional Colleges, are given as Appendix III.

Staff — changes of importance

Among the many changes that have taken place in the staff of the Colleges, the following may be mentioned —

| Name | Designation | Remarks |
|---------------------|--|---|
| Shri J. P. Narayana | Principal, Pillai Memorial College, Tiruvallur | Retired. Later appointed Professor of English in the N. S. S. College, Tiruvallur. |
| Dr. N. S. Wanner | Professor of Chemistry, University College, Tiruvallur | Appointed Principal of the College. |

| <i>Name</i> | <i>Designation</i> | <i>Remarks</i> |
|-----------------------------------|--|--|
| Dr. K. Bhaskaran Nair | Professor of Hindi University College, Trivandrum. | Appointed Principal of the Government Brennen College, Tellicherry vice Shri C.C. David on leave. |
| Kumari M. Varghese | Principal, Government Training College, Tellicherry. | Transferred to College for women, Trivandrum, as Principal vice. Smt. K. Parvathy Amma retired. |
| Shri S. Venkita- krishnan | Second Grade Professor, Sanskrit College, Trivandrum. | Appointed Principal of the Sanskrit College, Pattambi vice Shri P. V. Rama Iyer retired. |
| Shri C. K. Abdul Kareem | Lecturer, Government Sanskrit College, Tripunithura. | Transferred to Sanskrit College, Trivandrum. Later, his services were lent to Iqbal College, Peringamala, to be appo- inted as Principal of the College. |
| Shri N. Chandra- sekharan Nair | Professor of Politics, N. S. S. Hindu College, Changanacherry, | Appointed Principal of the Velu Thampi Memo- rial N. S. S. College, Dhanuvachapuram. |
| Shri N. Govindan Unni | Lecturer, N. S. S. College, Pandalam. | Appointed Principal of the N. S. S. College, Pallipuram, Shertallai. |
| Rev. Dr. N. M. Thomas | Professor of Politics, St. Thomas College, Palai. | Appointed Principal of the Alphonsa College, Palai. |
| Shri P. Kochunni Panicker | Addl. Professor of Politics, St. Thomas College, Palai. | Appointed Principal of the S. N. M. Junior College, Maliankara. |
| Shri V. P. Kannan Nair | Retd. Principal, Government Victoria College, Palghat. | Appointed Principal of the Sree Kerala Varma College, Trichur. |

| Name | Designation | Remarks |
|-------------------------------|---|--|
| Sr. Chrysanthia | Professor, St. Mary's College, Trichur. | Appointed Principal of the Mercy College, Palghat |
| Rev. Dr. J. Aggarus | | Appointed Principal of the Sacred Heart College, Thevara, vice Rev. Dr. Richard appointed Principal of the Newman College, Thoduparthy |
| Shri R. Rama- chandra Iyer | Principal, Intermediate College, Tiruvandur. | Transferred to the Engi- neering College, Trichur, as Professor |
| Shri M. Kothy | Professor, Government Brennan College, Tellicherry. | Appointed Principal of the Intermediate College Tiruvandur from 1-2-54 He took charge from Shri P. George Varghese who was Principal of the College since the relief of Shri Ramachandra Iyer |
| Shri T. C. Joseph | Professor of History Union Christian College, Alwaye | Appointed Principal of the St. Stephen's College, Puthanparam |
| Rev. Fr. Philip C. Parthol | Lecturer, Mar Ivanios College, Tiruvandur | Appointed Principal of the St. John's College, Anchal |
| Dr. V. Kuralathan | Professor of Economics, Sree Narayana College, Qulm. | Appointed Principal of the T. K. Madhavan Memorial College, Narappathangudi |
| Shri P. K. G. Parameswaran | Professor of History, Sree Narayana College, Cannanore. | Appointed Principal of the Sree Narayana College, Sree N. Vallu. |

| <i>Name</i> | <i>Designation</i> | <i>Remarks</i> |
|--|--|--|
| Dr. N. G. Kurup | | Appointed Principal of the N. S. S. College, Ottappalam. |
| Shri Jos T. Manjooran Shri K. Madhavan Pillai | | Appointed part-time Lecturers in the Law College, Ernakulam. |
| Shri K. I. Varghese | Principal, Government Training College, Trichur. | Passed away. |
| Shri R. Subbayan | Professor of Mathematics, College of Engineering, Trichur. | Appointed Principal Government Training College, Trichur vice-Shri K. I. Varghese. Subsequently transferred to Government Training College, Tellicherry, as Principal vice Kumari Varghese appointed Principal of the College for Women, Trivandrum. |
| Dr. Isaac Joseph | Professor of Preventive Medicine, Medical College, Kottayam. | Appointed Director of Public Health School, Trivandrum. |
| Dr. C. P. Madhavan kutty | | Appointed Professor of Preventive Medicine in the Medical College, Kottayam. |
| Dr. M. Balaraman Nair | | Appointed Professor of Pathology in the Medical College, Kottayam vice Dr. R. Saraswathy Ammal Associate Professor resigned. |

| Name | Designation | Remarks |
|--|---|---|
| Dr. K. Sanku Iyer Dr. T. D. Gopala- Krishna Pillai Dr. Edwin Jose Dr. George Joseph Dr. V. Kanthas- wamy Dr. Susan George Dr. Elizabeth Iype Dr. N. M. Mathai | Asst. Professors, Medical College, Kottayam. | Promoted as Associate Professors |
| Dr. K. Ramachandra Panicker | Associate Professor, Medical College, Calicut | Transferred to Medical College, Tiruvananthapuram |
| Dr. P. T. George Kutty | Jr. Lecturer in Medicine and Parasitology, Veterinary College, Trichur | Deputed to undergo M. V. Sc. course in the Madras Veterinary College |
| Shri S. Padmana- bhan | Principal, T. K. M. College of Engineering, Qutub. | Relieved on the expiry of the term of appointment. |
| Shri M. K. Abdul Hameed | Vice-Principal, T. K. M. College of Engineering, Qutub | Promoted as Principal of the College |
| Shri C. Padma- nathan Nair | Professor of Mechan- ical Engineering, T. K. M. College of Engineering, Qutub. | Appointed Professor in Mechanical and Electrical Engineering respectively |
| Dr. K. Gopalan | Professor of Electrical Engineering, T. K. M. College of Engineering, Qutub | in the N. S. S. College of Engineering, Palghat |
| Shri V. S. Nair | Principal, N. S. S. College of Engineering, Palghat | Reverted to parent Department. |
| Shri R. Govinda Menon | Professor of Civil Engineering, N. S. S. College of Engineering, Palghat | Appointed Principal of the College |

| <i>Name</i> | <i>Designation</i> | <i>Remarks</i> |
|-----------------|---|--|
| Dr. B. Banerjee | Professor of Physiology, T. D. Medical College, Alleppey. | Appointed Principal of the College vice. Dr. N. G. Pandalai relieved. |

Sports and Games

Facilities were provided in all the colleges for field games and athletics, special facilities being provided for women students. As in previous years, sports and games were organised in the various colleges by the college authorities. The Annual Sports Meets at which prizes, medals, cups and trophies were presented to winners, were conducted by the colleges.

The following are some of the noteworthy events of the year under report :-

The Junior Hockey team of the Intermediate College, Trivandrum, won the Championship in the Junior Division tournaments conducted by the District Hockey Association. In the State Athletic Meet held at Udyogamandal the college won the second place for 110 hurdles, third place for Broad Jump and 100 metres. Shri Ramachandra Dutt, a student of the college, was selected to represent the State in the National Basketball championship held at Calcutta during the year.

One basket-ball player, 2 volley-ball players, 2 hockey players and 1 table tennis player from the College for Women, Trivandrum, represented the State in the National Championship Tournaments during 1964-'65.

One member of the Cricket Team of the Maharaja's College Ernakulam, was selected for the Kerala State Junior Cricket Team for the Inter-association junior matches held in Andhra and Madras. One member of the college Basket-ball team was selected for the Kerala State Basket-ball Team for the National Championship held at Cuttack. One student from the college was also selected for the Kerala State Table Tennis Junior Team for the National Championship held at Jullandhar.

Six players from the Women's Hockey Team of the Union Christian College, Alwaye, have been selected for the coaching camp to be

held at Trivandrum to select the State team to compete in the National Championship to be played at Bombay.

One student from the C. M. S. College, Kottayam, was selected for the State Basket-ball Men's Team, two students for the State Basket-ball Women's Team and one student for the State Hockey Women's Team.

The Volley-ball team of the Mathayal College, Trivandrum, won the Kuttikkannan Nair cup of F. K. M. College Volley-ball Tournament for the year. The foot-ball team of the college also won the Mar Thoma Trophy Inter-Collegiate Foot-ball Tournament. Two students from the college were selected to represent the Kerala State Foot-ball Team for Juniors. One student from the college was also selected to represent the State Basket-ball Team for Juniors.

In the All-Kerala Aquatic Meet, the Mahatma Gandhi College, Trivandrum, was the winner in Aquatics and Water Polo. Three students from the college were selected for the State team to take part in the National Aquatic Meet at Bombay.

One foot-ball player from the Sree Narayana College, Quilon, represented the Kerala State in the All India Inter-State Tournament at Delhi. Shri K. P. ChandraSekharan Nair, 1st year Degree student of the college, won two gold medals in jumps in the All India Olympic Athletic Meet at Calcutta. He is the Kerala record holder in Broad Jump, and Hop Step and Jump.

Two students from the St. Thomas College, Palai, were selected to represent the State in the National Sports Meet at Calcutta.

Four women students of the Sree Kerala Varma College, Trichur, represented the State in the National Women's Volley-ball Championship held at Patna. During 1954-55 the college treated the boys of the State Volley-ball Championship and it expressed its wish to the State Championship in 1955-56 also.

N. S. S. College, Mettupalayam, won the Sri Narayana Nair Trophy in the Foot-ball Tournament conducted by the Sree Narayana Gita Madham Trust.

A team of the Sree Narayana College, Kozhikode, participated in the Travancore District Amateur Athletic Meet and won a silver and a gold championship medals for 100 yds.

In the Foot-ball tournament conducted by the Nirmala College, Muvattupuzha, Mar Thoma College, Thiruvalla, won the Nedumkalil Trophy for Foot-ball.

The Sacred Heart College, Thevara, won the Mar Thoma Tournament in Basket-ball.

At the Seventh Kerala Amateur Athletic Championships held at the F. A. C. T. Sports Stadium, Shri P. K. Simon, student, Mar Athanasius College, Kothamangalam, secured the first place in Hammer Throw creating a new State record.

The Women's Volley-ball team of the Medical College, Trivandrum, won the Kerala State Volley-ball Championship and the Hockey team won the State Women Championship held at Alwaye.

The Basket-ball team of the St. Teresa's College, Ernakulam, won the District and State Championships. The Captain of the State team as also 5 other players out of a group of 10 were selected from the college to play in the National Tournament at Cuttack in December 1964. Smt. Lucy Mathew, student of the college, was awarded a special prize, as the best player in the State.

Shri Krishnakumar, Pre-University student of the St. Albert's College, Ernakulam, was selected to represent the Kerala State in the National Tournament at Delhi. Shri Joseph Sebastian, a student of the College, has been the recipient of a Sports Scholarship of the value of Rs. 200/- in recognition of his outstanding performance in the University Sports Meet for 1963-'64.

Shri G. Ramachandran Nair, student, University College, Trivandrum, won the National award for Physical efficiency.

College associations and extra curricular activities

The various clubs, associations and debating societies attached to the colleges continued their activities during the year under report. Students took keen interest in the activities of the associations by arranging debates, meetings, essay competitions, excursions to places of historical, scientific and commercial importance, etc. Special meetings and functions were arranged in connection with the Independence Day, Kerala Day, Gandhi Jayanti Day, Children's Day, Human Rights Day, Republic Day, etc. The Plan Week, Co-operative Week, National Savings Week, Wild Life Week, etc. were celebrated.

The Inter-collegiate debates in English and Malayalam for the year 1963-'64 were held and the medals and cups were awarded to the winners as noted below:—

Debate in English

- | | |
|--|---|
| (a) Chandrasekharan Medal | Smt. Lakshmi Natarajan, H.D.C. Economics, College for Women, Inwardrum |
| (b) A. M. Varkey Memorial Rolling Cup | University College, Inwardrum |

Debate in Malayalam

- | | |
|--|---|
| (a) Sachivethama Shashin- aldapurthi Memorial Medal | Shri K. Prabhakaran, H.M.A. Malayalam, University College, Inwardrum |
| (b) Dr. K. Godwarma Memorial Rolling Cup | Stee Narayana College, Quilon |

Students of the College for Women, Inwardrum, took part in the Quiz Programme on the Third Day organised by the A.I.R. and obtained a second place.

The Sarvodaya Vidyarthi Mandali of the V. S. S. Hindu College, Changanacherry, did good work during the year in the form of discussions.

The elocution competition team of the Government College, Calicut, participated in the oratorical competitions organised by the All India Women's Conference in connection with 'Pam Pam Mohan Day's Birthday Celebrations' and won the second prize.

The St. Thomas College, Iruday, organised during the year a symposium on 'Shakespeare' in which the colleges of the Iruday District participated.

The students of the St. Thomas College, Iruday, participated in the literary competitions held in connection with the 100th Anniversary of the Gandhi-Laxma Parvathi and earned 2nd prizes.

The St. Joseph's College for Women, Alappuzha, participated in the District Inter-Collegiate competition held on 2nd October 1963 in the subject of English. The college won the 2nd prize. The college has participated in the All India Parvathi and Gandhi-Laxma Parvathi U. N. Day and was the runner-up.

In the Lion's Club Inter-Collegiate contest held on 19th October, 1964, Smt. T. C. Parwathi, Pre-degree student of the Providence Women's College, Calicut, won the third prize and was declared the best speaker among the lady contestants. In the Gandhi Tatwa Prachar Sabha contest held on 25th October 1964, Smt. Kasturikutty of I B. A. class in the College got the first prize for poetry recitation, Smt. S. Mohana Bai of I B. Sc. for light music and Smt. K. P. Sreemathi for Akshara-sloka. In the Inter-collegiate competitions conducted in connection with the Catholic Youth Festival at Thevara, Smt. Catherine Genna of III B A., won the Gold Medal and Smt. K. J. Lilly of II B.Sc., the second prize for their essays on 'The Eucharist in Catholic Life'.

Shri K. C. Mohan Rao, IV year student of the Regional Engineering College, Calicut, won the shield in the Inter-Collegiate Oratorical Contest held by the Lion's Club and the first prize in the elocution competition held by the Kozhikode Corporation in connection with the National Solidarity Day.

The Sarvodaya Samaj of the Mahatma Gandhi College, Trivandrum—an organisation of students intended to instil into the minds of the members the lofty ideals of Gandhiji in theory and practice, did good work this year. They organised a large number of students of the college to participate in the cleaning campaign arranged by the Trivandrum Corporation on 2nd October 1964—the National Cleanliness Day. The Samaj undertook manual labour and arranged cultural programmes, special lectures and film shows during the Gandhi Jayanti Week.

A Symposium on the Preservation of Wild Life was held by the students of the Government Training College, Tellicherry, on 9-10-1964 and an exhibition of pictures of wild animals was held for the benefit of High School pupils.

The film Club of the Medical College, Trivandrum, has been conducting film shows in the college for the convenience of the student population of the college, which give relaxation after a week of strenuous work.

A Home Science exhibition was held in the St. Teresa's College, Ernakulam, and it was kept open to the public for a full week. The public must have profited much by visiting the exhibition which extended knowledge of Home Science to the simple lay home-maker.

Under the auspices of the Extension Service Centre of the Government Training College, Trichur, a content course in English was organised in the college in August, 1964. About 100 teachers from the three

educational districts of Korbikode, Badagara and Malapuram and all the trainees of the college participated in the course.

The Extension Service Centre attached to the Government Training College, Calicut, conducted a contact course in Malayalam from 30-11-1964 to 5-12-1964 in which about 50 Malayalam teachers from various schools participated.

Under the auspices of the Extension Service Centre attached to the N. S. S. Training College, Ottapalam, the College conducted a good number of week-end courses, workshops in English, Mathematics and Natural Science, training courses in the use of audio-visual aids, a good number of symposia, seminars and discussion classes and above all an educational exhibition in which the high Schools of Ottapalam and Palghat districts participated.

The Golden Jubilee of the Government Sanskrit College, Tripunithura, was celebrated in February 1964 along with the Sastha Sadat.

Social Service Leagues

The Social Service Leagues started in most of the colleges during the previous years continued to function satisfactorily. The object of the League is to instil in the students the spirit of social service and their activities consisted in getting patients treated in hospitals or dispensaries, administering first aid, distributing clothes, giving noon day meals to poor school going children and financial aid to the needy. Besides, the members of the Leagues took active interest in stem clearance, constructing and repairing roads, levelling of the ground in and around the college campuses, etc.

Under the auspices of the Social Service League of the St. Bernadine's College, Changanacherry, a party of 20 students took part in the rehabilitation work of exiled persons at Koorbade in April 1964. The work lasted for about a fortnight. The activities included building up of new huts, thatching huts, medical aid and instruction in elementary principles of hygiene. A municipal road was also laid by the League in the heart of the town.

The Social Service League of the N. S. S. College, Panditiam, rendered valuable service by constructing a road besides doing many other work to develop better roads.

On all Sundays each member of the Social Service League of the St. Albert's College, Ernakulam, contributed a minimum of one hour's manual labour towards repair and construction of roads within the Ernakulam municipal area. On certain days slum clearance work was undertaken instead of road work. During the year they contributed 520 hours of manual labour towards public welfare.

The members of the Social Service League of the Malabar Christian College, Calicut, went in batches and collected old clothes and second-hand books for the leprosy patients at Chevayur Leprosy Home. They also conducted a raffle and donated Rs. 700/- to the leprosy home.

The Welfare Institute for Women and Children started at Cheroor under the auspices of the Social Service League of the St. Mary's College, Trichur, functioned well during the year. The children of poor working class women were fed and cared for. A craft class for tailoring and book binding has been started this year for the benefit of the poor girl students of the locality.

Social and adult education centres were started during the year at Kannookara and Chalil by the students of the Government Training College, Tellicherry. Educational films were shown. A committee consisting of a few local people and the Panchayat Executive Officer of Kannookara was formed to carry on further activities.

The activities of the Social Service Association of the Medical College, Trivandrum, consisted in carrying out Social Service including Medical relief, Health survey, Educational exhibitions, Mobile dispensaries, Nursery class, Health education programme, etc. The Association is conducting a Nursery school near the Medical College Hospital with 35 students. In spite of the food crisis, the students were given mid-day meal regularly with the help of the Red Cross Society, Trivandrum branch; milk was supplied to the poor people residing in the Ulloor area. The Association has been conducting a Health Education Programme in the Polyclinic Auditorium, once a week. This is meant to inform the public of the diseases in the locality, the methods of their prevention as well as the hygienic precautions they can observe. Film shows were conducted every week in the S. A. T. Hospital for providing a better understanding of health to the inpatients of the hospital.

From the funds collected by the members of the Social Service League of the Mar Ivanios College, Trivandrum, financial assistance

was given to the poor students for purchasing books, clothing, etc. and to the poor residents in the vicinity of the college for purchasing their houses.

During the floods at Tiruvandrum in November 1964 heavy damage was caused to buildings and properties of many people. The Social Service Leagues attached to the city colleges did valuable service to the flood stricken people, of which the following are worth mentioning:—

(i) Students of the College for Women, Tiruvandrum, did active work for collecting donations to the Flood Relief Fund and contributed to the Mayor's Relief Fund in money and kind.

(ii) The Social Service League of the Loyola College, Tiruvandrum, collected for the flood victims Rs. 1,000/- and nearly 900 pieces of cloth. They put up 17 new houses and helped another 20 households with building materials and clothes.

(iii) Immediately after the floods the members of the Social Service League of the Mar Ivanios College, Tiruvandrum, went out in batches of forty. They visited the flood washed areas and rendered all possible help to the distressed in rebuilding their houses. A large volume of earth work required for the reconstruction of five houses was done by the members themselves in addition to the construction of two huts completely. From the Flood Relief Fund with the League they were able to provide bamboos, calans, etc. for 20 persons to repair their flood damaged huts. The destitutes who resorted to the Father U P School after the floods, were visited and given money for purchasing foodgrains.

Planning Forums

Planning Forums constituted in most of the colleges functioned satisfactorily during the year. The activities included conduct of symposia, debates, construction work, small savings drive, socio-economic surveys, work camps, etc.

The important activities of the Planning Forums in the colleges during the year were as follows:—

1. In February 1964 the Planning Forum of the Malabar Christian College, Calicut, conducted a social level Inter-collegiate Planning Seminar on Planning and Socialism. One hundred and fifty delegates belonging to colleges in the Cannanore and Calicut Districts participated in the Seminar.

2. Under the auspices of the Economics Association and Planning Forum of the Guruvayurappan College, Calicut, the U. S. I. S., Madras, arranged a programme of educational activities in the college. An exhibition of text-books was organised by the U. S. I. S. during the week.

During the National Plan Week, the Planning Forum of the Guruvayurappan College organised a Plan Information Centre and conducted an exhibition of handicraft products, charts, diagrams, maps and photos relating to Plans. A film show on Five Year Plans arranged by the Field Publicity Officer was also conducted. Essay competitions in English, competition in portrait painting of national leaders, a meeting and a symposium were also held. National Savings drive was launched during the week and prize bonds worth Rs. 250/- were sold.

3. Besides small savings drive, the Planning Forum of the College for Women, Trivandrum, organised a symposium in connection with the Plan Publicity Week on 'Shri Jawaharlal Nehru - the Architect of Planning in India'. A Plan Information Centre was also opened.

4. The Planning Forum of the Government College, Chittur, celebrated the National Plan Week. A symposium on the 'Plans' was the highlight of the celebrations. There was also a film show. The members of the Forum did good work in spreading the message of savings among the students of the college.

5. The members of the Planning Forum of the Union Christian College, Alwaye, were afforded opportunities by the college for organising work camps and savings squads. The Forum held a work camp in November 1964.

6. The Planning Forum of the St. Joseph's College, Devagiri, met at intervals to discuss subjects such as need for small savings campaigns, role of Planning in Indian Economy, Panchayati Raj, etc. A study tour to the Mavoor Rayon Factory was arranged under the auspices of the Forum.

7. A Planning Forum Library containing a lot of literature concerning the Five Year Plans has been opened in the Little Flower College, Guruvayoor, during the year. The members of the Forum regularly visited the houses in the locality and instructed the people how to keep their surroundings clean and healthy.

8. The Planning Forum of the N S S Training College, Pondicherry, is organising a survey of economic conditions in the locality.

National Cadet Corps

A brief report of the activities of the Senior Division N. C. C. in the affiliated colleges furnished by the Director, National Cadet Corps, Tirumangur, is given below.

General

N. C. C. was compulsory for undergraduate boys during the period under report. All colleges affiliated to the University except Training colleges, Law colleges, Oriental/Jule institutions and Junior colleges were having N. C. C. Senior Division.

In the Vice-Chancellor's Conference held at Bharat in December 1963, it was decided that the programme of compulsory N. C. C. must continue and the disparities between N. C. C. Senior Division and N. C. C. Rifles should be removed. Accordingly the three year course for Senior Division N. C. C. and the separate course of similar duration for N. C. C. Rifles were merged to make a uniform course of three years' duration for all undergraduate students in colleges.

Strength

A statement showing the distribution of N. C. C. Senior Division units in colleges, in 1964-'65 is given as Appendix IV.

Camps

In general, there are four types of camps in N. C. C. They are

- (a) Annual Training Camps
- (b) Social Service Camps
- (c) All India Summer Training Camps
- (d) Advanced Leadership Courses

The activities in these camps vary according to the nature of the camp.

The primary aim of the camps is to standardise the training imparted to the cadets during the year in the respective institutions and to put the cadets through an intensive course of collective training aimed at promoting understanding and corporate living.

Annual Training Camps

Annual Training Camps held during the year were as follows:

- (a) Annual Training Camps of the District of Pondicherry were held from 1.1.64 to 11.2.64, 1.3.64 to 11.4.64 and 1.5.64 to 11.6.64.

N. S. S. College, Changanacherry, and Medical College, Trivandrum, respectively. Another Girls Division Camp was also held at Women's College, Trivandrum, from 23rd December to 30th December, 1964.

(b) Annual Training Camps of Technical Units of N. C. C. were held at Government Polytechnic, Kalamassery from 23rd May to 5th June, 1964 and another at Pangode Barracks, Trivandrum, from 27th December, 1964 to 9th January, 1965.

(c) Annual Training Camps of other Senior Division N. C. C. Units in the State were undertaken in the last week of December, 1964 at the following places:

- (i) Mar Ivanios College, Trivandrum.
- (ii) Sree Narayana College, Quilon.
- (iii) Government High School for Boys and Girls, Adoor.
- (iv) Government Basic Training School and M. G. M. H. S., Thiruvalla.
- (v) S. B. High School, Changanacherry.
- (vi) Union Christian College, Alwaye.
- (vii) Mar Basil High School, Kothamangalam.
- (viii) V. V. High School, Mannuthy.
- (ix) Haigh Barracks, Malapuram.

(d) Annual Training Camp in respect of Senior Division Air Wing N. C. C. was undertaken with the Air Wing Units in Mysore State during the last week of December, 1964.

Social Service Camps

No Social Service Camps for N. C. C. Units were held during 1964.

All India Summer Training Camps

These Camps are designed to bring together cadets from various parts of the country and to train them to lead a corporate life and to develop in them an attitude and outlook conducive to national solidarity and emotional integration.

Eight All India Summer Training Camps were organised, four for boys and four for girls, in different parts of the country and 60 cadets (boys and girls) participated in these camps from the State of Kerala.

Advanced Leadership Course

The aim of this course is to make cadets physically tough, mentally agile and to develop in them self-reliance, resourcefulness, ability to accept responsibility and a spirit of co-operation. They are also to inculcate in the cadets a spirit of adventure by organising trekking and patrolling expeditions in the interior, in reports and thus getting them interested in outdoor life.

Eight Advanced Leadership Camps were organised in different parts of the country and 44 cadets of the State of Kerala participated in these camps. Also an advanced leadership camp was organised by NCC Dir, Kerala, at Neyyar Dam from 16th April to 6th May 1964 in which 110 cadets from the various parts of the country participated.

Other Camps

(a) *Republic Day parade camp*

A contingent of 43 cadets was deputed for the Republic Day Parade camp at Delhi in 1964. The camp was for a period of 21 days. The cadets had an opportunity to visit various places of historic importance. They had also the occasion to meet the President and the Prime Minister of India at special functions arranged for the NCC cadets.

(b) *Neighbouring States camp*

Under the scheme of detaching cadets for the training camps of the neighbouring States, one officer and eight cadets were deputed for each camp held by the following NCC Dirs:

- (i) NCC Dir, Mysore and Pondicherry
- (ii) NCC Dir, Mysore
- (iii) NCC Dir, Andhra Pradesh
- (iv) NCC Dir, Maharashtra

(c) *Hemchandra Mahanta training camp*

One cadet from Kerala State was deputed for the Hemchandra Mahanta training camp held at Muzhaffar from 1st May to 20th May 1964.

(d) *Naval Wing camp*

Naval Wing cadets are given the opportunity of training on board a ship of the Fleet of Indian Navy.

(e) *Ceremonies*

Ceremonial parades were held at important places to celebrate the Independence Day.

Promise parades were also arranged in all the institutions and the Heads of educational institutions administered the "promise" to the cadets.

N. C. C. Day

The N. C. C. Day was celebrated on Sunday the 15th November, 1964. Due to the food crisis, the institutions were closed during the period; nevertheless N. C. C. Day celebrations were held as scheduled in most places.

N. C. C. Certificate Examinations

Details of certificate examinations held during 1964 are given below:—

| <i>Examination</i> | <i>Number appeared</i> | <i>Number passed</i> |
|--|----------------------------|--------------------------|
| 'B' Certificate (Army Wing) | 934 | 737 |
| 'B' Certificate (Naval Wing) | 31 | 18 |
| 'B' Certificate (Air Wing) | 50 | 46 |
| 'C' Certificate (Army Wing) | 365 | 201 |
| 'C' Certificate (Naval Wing) | 24 | 18 |
| 'G' Certificate (Girls Division) Pt. I | 52 | 52 |
| 'G' Certificate (do.) Pt. II | 40 | 32 |
| 'B' Certificate (OTU NCC) | 11 | 4 |
| 'C' Certificate (OTU NCC) | 6 | 6 |
| ,D' Certificate (OTU NCC) | 10 | 10 |

Research work done in affiliated colleges

1. Some teachers in the Chemistry Department of the Maharaaja's College, Ernakulam, continued their part-time research work.

2. Shri G. P. Somasundaram, a research scholar, who was doing research in the Union Christian College, Alwaye, on "A Normative Study of Rorschach Responses of Kerala People" for M.Litt. Degree under the supervision of Dr. V. K. Alexander, Professor of Philosophy in the college, submitted his thesis and he has been awarded the M.Litt. degree. Miss. R. Jagadambika, another research scholar, working in the college under the supervision of Dr. Alexander has almost completed her research on "Cases of Multiple Personality" for Ph. D. She has been awarded a research fellowship by the University Grants Commission.

3. The C. M. S. College, Kottayam, has made a beginning for research work in the Post graduate Department of Chemistry.

4. Two Government of India Research scholars have been carrying on research in Zoology in the Saint Mary's College, Alleppey, under the supervision of Dr. K. N. Parameswaran, Professor, of Zoology.

5. Research work in Zoology is being carried on in the Christ College, Irinjilakuda.

6. *Mar Thoma College, Tiruvandur*

(i) Dr. A. P. Mathew, Professor of Zoology, continued his research on "Embryology of Scorpions". A ceiling grant of Rs. 2500 was sanctioned by the University Grants Commission as financial assistance for this research work. Equipments and books were purchased with the grant.

(ii) 'Diapause in Lychas' and feeding mechanisms of certain exotic species are being examined.

(iii) Shri T. Thomas working on the comparative anatomy of scorpions is completing the study of muscles.

(iv) Shri K. O. John is studying the pituitary muscles of draco from anatomical, histological and biochemical aspects.

(v) Dr. N. M. Antony, Professor of Parasitology and C. S. I. R. Post Doctor, is working on Helminthes and Nematodes.

7. Research in common language deficiencies in English of secondary school children in Kerala—a research project sponsored and financed by the National Council of Educational Research and Training—conducted in the Government Training College, Tiruvandur, was completed during the year and the report forwarded to the Director of College Education, Tiruvandur.

8. The Extension Service Centre attached to the Government Training College, Tiruvandur, carried out some research projects.

9. A Lighting Research Project under the auspices of C. S. I. R. is in progress in the S. S. S. College of Engineering, Palghat. Dr. K. Gopinath, Professor of Electrical Engineering, is the Principal Investigator of the scheme. The main aims of the scheme are:

- (i) to determine the statistical distribution and frequency of lightning strokes in Kerala,
- (ii) to estimate the nature and magnitude of lightning damages in industry, agriculture and other allied fields,
- (iii) to record the amplitude of various parameters of lightning in Kerala region, and
- (iv) to instal lightning counters all over Kerala for automatically recording the lightning strokes.

The scheme has won international recognition and is working in close collaboration with some of the lightning research centres abroad.

10. The research ward of the Ayurveda College, Trivandrum, with 30 beds, conducted research on indigenous systems of medicine in a systematic way. The curative value of medicines on complicated cases is tested in the centre and the results reported to the Government of India every month.

11. The staff of the Agricultural College, Trivandrum, worked on various research problems. There are over 20 major Government of India research schemes and 80 collegiate research schemes undertaken by the College.

New buildings of affiliated colleges

A number of colleges started work on the construction of new buildings or completed the construction already begun. Details of the completed buildings are given below:—

1. A guest house for the Union Christian College, Alwaye.
2. A library building for the C. M. S. College, Kottayam.
3. A building for the N. S. S. Hindu College, Changanacherry.
4. A building $96' \times 22\frac{1}{2}'$ with three class rooms for the Mar Thoma College, Thiruvalla, and an upstairs to the eastern wing of the college.
5. A staff room for the Catholicate College, Pathanamthitta, and an extension of the asbestos hall of the college.
6. A swimming pool under the campus work projects scheme of the Government of India and a semipermanent shed $120' \times 27'$ for the Sree Sankara College, Kalady.
7. A short shooting range in the campus of the Mar Athanasius College, Kothamangalam.

8. Extension of B block of the Gurusayurappan College, Calicut.
9. Light staff quarters for the Farook College, Feroke.
10. A building with two store rooms for the Physics and Zoology departments of the Stree Narayana College for Women, Quilon.
11. Four Buildings for the N. S. S. College for Women, Tiruvananthi.
12. Staff quarters for the Assumption College, Changanacherry.
13. A four storeyed building for the B. C. M. College for Women, Kollayam.
14. A nutrition laboratory for the Home Science Department and a large hall for the St. Teresa's College, Ernakulam.
15. A three storeyed building 25' x 32' with laboratories and class rooms for the St. Mary's College, Trichur.
16. A Physics block for the N. S. S. College, Ottapalam.
17. An extension to the main building of the St. Joseph's College, Devagiri.
18. A temporary shed 97' x 24' and a laboratory shed for the Loyola College, Trivandrum.
19. One wing of the St. Stephen's College, Uthacott.
20. A building for the St. Xavier's College for Women, Alwaye.
21. A semi permanent building with 6 lecture halls each 42' x 20', 4 rooms 20' x 20', toilet and an inside verandah 6' wide for the Velu Thampi Memorial N. S. S. College, Dhanurathapattam.
22. Ground floor of the main building of Pacham Raju N. S. S. College, Mattanur.
23. A building 24' x 42' for the St. John's College, Anchal.
24. A Science block for the St. Thomas College, Ranni.
25. A Hobby workshop for the Sacred Heart College, Thiruvalla.
26. A non-resident students' centre in each of the following colleges -
 - (i) N. S. S. College, Pandalam.
 - (ii) Labana Math National College, Quilon.
 - (iii) Gurusayurappan College, Calicut.
27. A Hostel Building for each of the following colleges -
 - (i) Union Christian College, Alwaye.
 - (ii) Christ College, Irappathodu.
 - (iii) St. Thomas College, Trichur.

- (iv) Mar Theophilus Training College, Trivandrum.
 - (v) St. Thomas Training College, Palai.
 - (iv) Regional Engineering College, Calicut.
 - (vii) Mar Athanasius College of Engineering, Kothamangalam.
 - (viii) T. D. Medical College, Alleppey.
 - (ix) Medical College, Kottayam.
28. A dining hall for the hostel attached to the St. Joseph's Training College, Mannanam.
 29. An extension to the central block of the Titus II Teachers' College, Thiruvalla.
 30. An auditorium 80' x 20' for the Peet Memorial Training College, Mavelikara.
 31. A new block and a temporary shed for the N. S. S. Training College, Ottapalam.
 32. Staff quarters for the Regional Engineering College, Calicut.
 33. An additional men's hostel accommodating 120 students and a ladies' hostel accommodating 50 students for the College of Engineering, Trichur.
 34. A Pathology block and an Isolation block for the Medical College, Trivandrum.
 35. The following buildings were constructed for the Medical College, Calicut.
 - (i) T. B. ward in the Head quarter's Hospital, Calicut.
 - (ii) Additional room for T. B. Clinic attached to the Medical College Hospital, Calicut.
 - (iii) Doctors' quarters
 - (iv) Hostel for Nursing School, Calicut.
 - (v) Nurses' quarters
 - (vi) Menials' quarters
 36. A casualty ward for the Medical College Hospital, Kottayam.
 37. A guest house for the T. D. Medical College Hospital, Alleppey.
 38. The following buildings were constructed for the Veterinary College, Trichur:—
 - (i) Nutrition Hall
 - (ii) Breeding station for small animals
 - (iii) Metabolism stall
 - (iv) Staff quarters

CHAPTER IV

RESIDENCE, HEALTH AND PHYSICAL EDUCATION

Hostels

University Hostel for Women

Resident Warden Mrs. P. G. Mathew, B.A., L.I.

The University Hostel for Women, newly started in 1953-54, provides accommodation for 275 students and six Resident Tutor Students from University Departments and City Colleges reside in the Hostel.

A qualified full-time resident nurse has been appointed during the year to look after the health of the students.

Facilities are provided in the hostel for indoor and outdoor games.

There is a Students' Union to organize and direct the activities of the students in the hostel. All national days and festivals are observed with due propriety. The Hostel day was celebrated early in February, 1954. Shri A. N. Thampi was the chief guest on the occasion.

During the summer vacation, i.e., in May and June 1954, the hostel building was used for holding the Allied Seminar of the Summer School of Linguistics. During the Christmas vacation, the hostel buildings were given for the use of the N. C. C. Girl Cadets' Camp.

Hostels attached to affiliated colleges

Most of the affiliated colleges have their own hostels.

The Y. W. C. A. Hostel, Kothamangalam, was newly inaugurated during the year.

The total number of students in the hostels attached to the affiliated colleges during the year was 12,173. Students who reside in the private hostels managed by the University.

Libraries were provided in most of the hostels. The hostel management has been strict, orderly, clean, and has many useful points.

Medical Inspection

The medical inspection of students in the colleges and institutions in Trivandrum, is conducted by the University Health Centre. The medical examination of the students in the Government Colleges outside Trivandrum is conducted by medical officers appointed by Government. The students of mofussil private colleges are examined by qualified medical officers appointed by the respective managements and approved by the Syndicate.

The general health of students was reported to be fairly satisfactory.

University Health Centre

Staff

| | |
|-------------------------|-----------------------|
| Hon. Director : | Dr. K. Ponnammam |
| Medical Officers : | 1. Dr. J. E. Rassalam |
| | 2. Dr. K. I. John |
| | 3. Dr. Aysha Guharaj |
| Ophthalmic Specialist : | Dr. V. Sankaran |
| Dental Specialist : | Dr. Peter Christian |
| E. N. T. Specialist : | Dr. A. R. Thampi |
| Medical Specialist : | Dr. J. S. Sathyadas |
| X-Ray Specialist : | Dr. George Varghese |

The main object of the University Health Centre is to provide a comprehensive and modern pattern of health care for the students, staff and functionaries of the University and also to ensure accepted health standards for University students. The initial medical examination conducted at the time the student enters the University is followed up by periodical checks at prescribed intervals.

During the last two academic years (1962-'63 and 1963-'64) 12,344 (8,213 men and 4,131 women) students were medically examined

During the current academic year till the end of November, 1964 4,975 students were medically examined. Of these, 2,950 were men and 2,025 were women.

On an analysis of the health standards of the students, it is found that malnutrition, defective vision and dental caries are the most common diseases requiring special attention.

Three hundred and eighty-five members of the University staff were also medically examined during the year.

Two meetings of the Advisory Committee and one meeting of the Co-ordinating Committee of the Health Centre were held during the year.

Members of the United States Educational Foundation visited the Centre on 12th February 1964 and observed the routine work of the Centre.

A Health Education Programme was arranged in the Mar Theophilus Training College, Tinian Is., for the teacher trainees of the B.Ed. Course. Lectures and demonstrations in First Aid and Home Nursing were given.

A group of 24 teachers undergoing the Orientation Training in Public Health at the Medical College, Tinian Is., visited the Health Centre. They were given lectures and slide demonstrations on important health subjects and also complete medical check up.

Department of Physical Education

Director: Shri V. G. Abraham, B. A., Dip P.E.Dn.

Shri L. Balaguru Soman N. I. S. Coach, was appointed in the Department as University Coach in athletics and he took charge on 6-7-1964.

As usual, the Department organised Inter-Collegiate Tournaments, Inter-University Tournaments and Athletics.

The Board of Physical Education was reconstituted during the year with the following members for a period of three years from 4th April, 1964.

1. Prof. Samuel Mathan, (President)
Vice-Chancellor
2. Shri V. F. Eason,
Principal, College of Physical Education,
Tinian Is.
3. Dr. M. Sreenivasulu,
Principal, Sri Narayana College,
Qalbi
4. Mr. P. N. Velupillai,
Principal, Government College,
Tinian Is.
5. Dr. C. T. Lee,
Principal, Victoria College,
Tinian Is.

6. Shri N. T. Madhavan Nambiar,
Principal, Guruvayurappan College,
Calicut.
7. Rev. Fr. Joseph Kureethadom,
Principal, St. Thomas College,
Palai.
8. Dr. C. M. Francis,
Principal, Medical College, Kottayam.
9. Shri G. Balakrishna Pillai,
Principal, N. S. S. College,
Pandalam.
10. Shri A. M. N. Chakiar,
Registrar, University of Kerala,
Trivandrum.
11. Shri V. G. Abraham, (Secretary)
Director of Physical Education,
University of Kerala,
Trivandrum.

The Board of Physical Education met once during the year viz., on 12th June, 1964. Routine matters were disposed of by proceedings-in-circulation.

Inter-Collegiate Tournaments

As in previous years the Inter-Collegiate Tournaments were conducted on zonal basis. The colleges affiliated to the University were grouped into four zones—Trivandrum, Kottayam, Trichur and Kozhikode—and the Principals of the following Colleges were nominated as Conveners of the zones noted against each for 1964-'65 :—

- | | |
|---|------------|
| 1. The Principal, Fatima Mata National College, Quilon. | Trivandrum |
| 2. The Principal, Peet Memorial College, Mavelikara. | Kottayam |
| 3. The Principal, Engineering College, Trichur. | Trichur |
| 4. The Principal, Sree Narayana College, Cannanore. | Cozhikode |

In all, 63 Colleges entered for the Inter-Collegiate Tournaments and Athletic Meet.

The Inter-Collegiate Tournaments for 1964-'65 commenced by the first week of August 1964. Details of the various events for men and women and the number of colleges that participated in the events for 1964-'65 during year are as follows:—

| Event | No. of Colleges participated | |
|-------------------|---------------------------------|-----------|
| | For Men | For Women |
| Volley-ball | 49 | 47 |
| Basket-ball | 47 | |
| Badminton | | 46 |
| Tennisball | 11 | 56 |
| Shuttle Badminton | 15 | |
| Weight Lifting | 8 | |

The first Inter-Collegiate (i) Shuttle Badminton Tournament (ii) Weight Lifting Competitions and (iii) Aquatic Competitions, were held during the year.

The winners in the Inter-Collegiate Tournaments for 1964-'65 held during the year are as follows:—

| Trophy | Winner |
|---|---|
| For Men | |
| The G. P. Cup for Volley-ball | Christ College, Irigalakkudi |
| The Krishna Iyer Cup for Basket-ball | Sriest House College, Thiruvalla. |
| Joseph Kurumbadom Trophy for Shuttle Badminton | N S S College of Engineering, Palghat. |
| For Women | |
| The University Cup for Volley-ball | Annamalai College Changanacherry |
| University Shield for Badminton | Medical College, Coimbatore |
| Mrs. J. F. A. Pereira Cup for Tennis | Government Boys' College, Tellicherry |

Weight Lifting (Men) Competitions

The first Inter-Collegiate Weight Lifting Competitions were held on a single zone basis at the Ernakulam Gymnasium in October 1964. Nineteen students from 8 colleges took part in the competitions. The results of the competitions are as follows :-

| <i>Competition</i> | <i>First</i> | <i>Second</i> |
|--------------------|---|--|
| Fly Weight | Shri M.D. John, St. Albert's College, Ernakulam. | Shri K. S. Abdul Khadar, Christ College, Irinjalakuda. |
| Bantam Weight | Shri P. C. George, St. Albert's College, Ernakulam. | Shri K. Dharmaratnam, Sree Narayana College, Quilon. |
| Feather weight | Shri P. George Kalose, Sanatana Dharma College, Alleppey. | Shri Rajaram Das, Mahatma Gandhi College, Trivandrum. |
| Light Weight | Shri E. K. Paul Christ College, Irinjalakuda. | Shri S. Surendran, Law College, Trivandrum. |
| Middle Weight | Shri George Tharian, Christ College, Irinjalakuda. | Shri E. M. Johnny, Christ College, Irinjalakuda. |
| Light Heavy | Shri A. Rajan, Sanatana Dharma College, Alleppey. | — |

Shri George Tharian of the Christ College, Irinjalakuda, and Shri A. Rajan of the Sanatana Dharma College, Alleppey, represented the University in the All-India Inter-University Weight Lifting Championship held at Peradynia, Ceylon, on 18th and 19th December, 1964.

Swimming Competitions

The first Inter-Collegiate Aquatic Competitions (Swimming and Water Polo) were held on a single zone basis at the Water Works Swimming Pool, Trivandrum, on 7th and 8th September 1961. Thirty men and 3 women from 7 Colleges took part in the competitions. Individual championship was won by Sri S. K. Vikraman Nair, University College, Trivandrum, and the Team Championship by the Mahatma Gandhi College, Trivandrum.

Sixteen men and 3 women were selected for the University Aquatic Team.

Though it was the first meet, the response from Colleges was encouraging. The standard of performances was also good.

Arrangements for the conduct of Inter-Collegiate Tournaments in the remaining games are in progress.

A statement showing the winners of Inter-Collegiate Tournaments during 1961-'62, 1962-'63 and 1963-'64 is given below -

| <i>Trophy</i> | <i>Winners for 1961-'62</i> | <i>Winners for 1962-'63</i> | <i>Winners for 1963-'64</i> |
|---|--|--|---|
| For Men | | | |
| 1. The Karayalar Cup for Foot-ball | Guruvayurappan College, Calicut. | Christ College, Irinjalakuda. | Sacred Heart College, Thevara. |
| 2. The G. P. Cup for Volley-ball | Mar Ivanios College, Trivandrum. | Sree Narayana College, Quilon. | Mar Ivanios College, Trivandrum. |
| 3. The Vice-Chancellor's Cup for Hockey | College of Engineering, Trichur. | Medical College, Calicut. | St. Berchmans' College, Changanacherry. |
| 4. The Kannan Devan Cup for Cricket | College of Engineering, Trivandrum. | Medical College, Trivandrum. | Medical College, Trivandrum. |
| 5. The Krishna Iyer Cup for Basket-ball | T. K. M. College of Engineering, Quilon. | T. K. M. College of Engineering, Quilon. | St. Berchmans' College, Changanacherry. |
| 6. The Boyle Cup for Tennis (Singles) | Veterinary College, Trichur. | College of Engineering, Trivandrum. | University College, Trivandrum. |
| 7. The T. K. Gopalan Nair Cup for Tennis (Doubles) | College of Engineering, Trivandrum. | do. | Medical College, Trivandrum. |
| 8. J. E. A. Pereira Cup for Tennis (on Davis Cup Lines) | do. | do. | University College, Trivandrum. |

| Trophy | | Winners for 1961-'62 | Winners for 1962-'63 | Winners for 1963-'64 |
|-----------|---|-------------------------------------|-------------------------------------|-------------------------------------|
| For Women | | | | |
| 1. | Mrs. Padma Chandrasekharan Cup for Basketball | College for Women, Trivandrum. | College for Women, Trivandrum. | Union Christian College, Alwaye. |
| 2. | University Shield for Badminton | Little Flower College, Guruvayur. | St. Mary's College, Trichur. | Medical College, Calicut. |
| 3. | University Cup for Volley-ball | C. M. S. College, Kottayam. | Sree Kerala Varma College, Trichur. | Sree Kerala Varma College, Trichur. |
| 4. | Mrs. J. E. A. Pereira Cup for Tennis | St. Mary's College, Trichur. | St. Mary's College, Trichur. | St. Mary's College, Trichur. |
| 5. | Mrs. V. P. Thanipi Cup for Tennis (Singles) | Intermediate College, Trivandrum. | Medical College, Trivandrum. | Medical College, Trivandrum. |
| 6. | Mrs. Peonren Lukose Cup for Tennis (Doubles) | College for Women, Trivandrum. | do. | do. |
| 7. | Mrs. A. V. Thomas Cup for Athletics. | Assumption College, Changanacherry. | C. M. S. College, Kottayam. | St. Thomas College, Palai. |

Inter-Collegiate Athletic Meet

Zonal athletic meets were conducted and the athletes selected from the zones participated in the final athletic meet held at the Veterinary College, Trichur, on 27th and 28th November 1964.

The Athletic Meet was inaugurated by Captain H. A. Menezes of I. N. S. Venduruthy on 27th November, 1964. About 115 men athletes and 65 women athletes from various colleges took part in the meet. Eight new records were set up in the following events.

| <i>Event</i> | <i>Winner</i> | <i>New Record</i> | <i>Old Record</i> |
|-------------------------|--|-------------------|-------------------|
| Men's Events | | | |
| 1. 800 Metres | Shri A. Paul, Mar Athanasius College, Kothamangalam. | 2 mts. 1·7 sec. | 2 mts. 2 sec. |
| 2. Hop-Step and Jump | Shri S. Pazhania Pillai, St. Thomas College, Palai. | 46 ft. 6½ ins. | 45ft. 10½ ins. |
| 3. Shot put | Shri George Tharian, Christ College, Irinjalakuda. | 37 ft. 11¾ ins. | 36ft. ½ in. |
| 4. Discus Throw | Shri Abraham Mathew, Veterinary College, Trichur. | 109 ft. 10 ins. | 107 ft. 2½ ins. |
| 5. Javelin Throw | Shri T. J. Thomas, Medical College, Calicut | 170 ft. 1½ ins. | 165 ft. 5 ins. |
| 6. Hammer Throw | Shri P. K. Simon, Mar Athanasius College, Kothamangalam. | 115 ft. 10 ins. | 115 ft. |
| Women's Events | | | |
| 7. Discus Throw | Smt. V. A. Mary, St. Peter's College, Kolancherry. | 95 ft. 9½ ins. | 95 ft. ins. |
| 8. Javelin Throw | do. | 100 ft. 7 ins. | 93 ft. 5½ ins. |

Eight men and 2 women athletes were selected for the University Athletic Team.

At the conclusion of the meet on 28th November 1964, Dr. M.N. Menon, Director of animal Husbandry, gave away the trophies and certificates to the winners and runners-up.

Inter-University Tournaments

On 16th May 1964 Player costs were awarded by the Vice-Chancellor to the members of the Kerala University Volley Ball team which won the All-India Inter-University Volley-ball Tournament for 1963-'64. On the same day one Philips Cycling St by the T. T. Cycles of India, was also awarded to Shri K. Ramachandran Nair, Captain of the team, who was selected as the best sportsman for the year 1964-'65.

The University participated in the following Inter-University Tournaments (South Zone) during the year —

| <i>Tournament</i> | <i>Date</i> | <i>Venue</i> | <i>Result</i> |
|-------------------|----------------|--------------|---|
| Football | September 1964 | Madras | In the first match the University team lost to Mysore by 2 goals to 4. |
| Shuttle Badminton | October 1964 | Bombay | In the first encounter against Sreeji University, the University team lost the tie by 2 matches to 3. |
| Volley Ball | November 1964 | Poona | Kerala defeated Nagpur in the first round in two straight sets, Maharashtra in the second round by 2 sets to 1 and Bombay in the semi final, but lost to Oommena in the south Zone Final by 1 set to 2. |
| Basketball | November 1964 | Waran | Kerala defeated Bombay in the first round, but lost to Madras in the second round by 62-55. |
| Cricket | December 1964 | Vizag | In the first match the University team lost to Mysore, (Andhra). |

Inter-University Swimming Competitions, 1964-'65

The Inter-University Board of India constituted by the University of Madras for the conduct of the All-India Inter-University Swimming Competitions for 1964-'65. The Board of Physical Education was constituted to Organise Competitions with National Government

Law College, Trivandrum, as Chairman and Shri V. G. Abraham as Organising Secretary. Sub-Committees (Reception, Transport and Accommodation and Technical) were also constituted for the efficient conduct of the competitions.

Invitations were sent to all Universities in India and Ceylon. Sixteen Universities (With a strength of 93 men and 30 women athletes) took part in the competitions.

Free accommodation was provided for the Managers and athletes in the M. L. A. quarters and in the University Pavilion.

On 11th October 1964, Shri R. Prasad, Adviser to the Governor of Kerala, inaugurated the meet at the Water Works Swimming Pool, Trivandrum. The meet concluded on 13th October 1964.

Eleven events in the men's division and six in the women's division, besides high board diving and water polo, were gone through. The Calcutta University topped the men's table with 55 points. The second place went to Bombay (27 points) and the third to Kerala (16 points). In the women's division, Championship was won by the Delhi—University followed by Bombay—the runners-up.

Four new records were set up in the women's division.

Shri V. Sivaraman Nair of Kerala won the first place in the 400 metres and 1500 metres Free Style.

Shri A. N. Thampi, Chairman of the State Advisory Board of Education, gave away the trophies and certificates.

The Inter-University Athletic Competitions

The University Athletic Team participated in the All-India Inter-University Athletic Championship held at Jaipur from 31st December, 1964 to 2nd January, 1965.

The 4 x 100 metres relay team consisting of

- (1) Shri Joseph Sebastian, Sacred Heart College, Thevara ;
- (2) Shri P. Sukumaran, Sree Sankara College, Kalady; and
- (3) Shri Samuel George and Shri Poulouse John of Veterinary College, Trichur, won the 1st place and secured 4 gold medals. The men's team won 10 points and secured the 6th place in the men's section.

Smt. V. A. Mary of St. Peter's College, Kolencherry, won the 2nd place in the Javelin Throw and got a silver medal. The Kerala University was ranked 7th in the women's Section.

University Gymnasium

During the year under report the strength of the Gymnasium was 19. Training in Physical efficiency, Suryanamaskar and Yogic exercises was given as usual.

CHAPTER V

YOUTH WELFARE ACTIVITIES

Department of Youth Welfare

| | |
|----------------|--|
| Hon. Director | Dr. L. I. George, M. A., Ph. D. (London), A. B. P. S. |
| Asst. Director | Shri A. M. George, M. A., B. L. |

Youth Festival

(a) Inter-Collegiate Youth Festival, 1944

The Inter-Collegiate Youth Festival 1944, was held at the Engineering College, Tiruchir, from 7th to 12th September, 1944. Three hundred and six senior students and 17 contingents or groups from 51 colleges affiliated to the University took part in the Festival. The names of the festival and the number of teams that participated in each event are as follows:

| <i>Item</i> | <i>No. of Teams</i> |
|---|---------------------|
| 1. Classical Music (Vocal) | 21 |
| 2. Classical Music (Instrumental) | 15 |
| 3. Light Music (Vocal) | 37 |
| 4. Kathakali | 4 |
| 5. Classical Dance (other than Kathakali) | 15 |
| 6. English Fiction | 23 |
| 7. Group Song | 34 |
| 8. Group Dance | 4 |
| 9. Drama | 27 |

The festival was inaugurated by Shri K. P. Krishna Menon, Minister and patron-in-chief of the Tamil University. Youth Festival, 1944 was made fruitful participation of the following:

(a) Inter-Collegiate Youth Festival, 1944

The University College students, participated in the Youth Festival, 1944 in the following manner: the Tiruchirappalli, New D. C. C., from 10-14th to 21st September, 1944 consisted of the following 247 students and 17 contingents or groups:

(a) 1944

- (a) Shri A. M. George, M. A., B. L., represented Tiruchirappalli
- (b) Shri P. S. Venkatesan, B. A., B. L., represented Tiruchirappalli

Students

- | | |
|---|---|
| 1. Shri P. Seetharaman, Engineering College, Trichur. | } (Two for discussion, one for debate and one for Symposium on Jawaharlal Nehru or Shake- spearian Recitation) |
| 2. Shri M. Vijayan Unni, Government College, Kasaragod. | |
| 3. Smt. V. Vasundara, St. Teresa's College, Ernakulam. | |
| 4. Shri C. N. Somasekharan Nair, University College, Trivandrum. | |
| 5. Shri A. P. Radhakrishna Menon, Christian College, Chengannur | Classical Dance Kathakali |
| 6. Shri Raveendranatha Menon, Sree Sankara College, Kalady. | Classical Music (Vocal) |
| 7. Smt. P. Anandavally, Little Flower College, Guruvayoor. | } Group Dance |
| 8. Smt. K. O. Bhageerathi, do. | |
| 9. Smt. U. Umadevi, do. | |
| 10. Smt. R. Seethadevi, do. | |
| 11. Smt. A. V. Ambika, do. | |
| 12. Smt. Vijayalakshmi do. | |

The festival was inaugurated by Shri Lal Bahadur Sastri, Prime Minister of India. All the participants in the festival were given a reception by the President of India at the Rashtrapati Bhavan and another by the Prime Minister at the Prime Minister's residence.

This year the Kerala University team won two honours—Group Dance was selected for presentation at the Rashtrapati Bhavan and Kathakali at the Valedictory function.

One day Conference of Youth Welfare Officers

A Conference of the staff—members in charge of Youth Welfare in the various colleges was held at the University Buildings, Trivandrum, on 31-3-1964. Thirty-four delegates participated. The Vice-Chancellor inaugurated the Conference. Dr. E. I. George, Dr. J. D. Dameron (visiting Professor in the Department of Psychology) and Shri V. M. George, presented papers on the different aspects of Youth Welfare. A number of recommendations were made by the Conference.

Youth Leadership Training Camp

As a follow-up of the one-day conference on Youth Leadership Training Camp was organised at the Engineering College, Trichur, from 25th May to 4th June 1964. Twenty-three delegates from the various colleges affiliated to the University participated in the Camp. Prof. Samuel Mathai, Vice-Chancellor, inaugurated the camp.

The following persons presented papers at the camp on the subjects noted against each —

- | | |
|------------------------------|---|
| 1. Dr. L. L. George | (a) Vocational Guidance and Placement (b) Mental Hygiene and Psychological therapy |
| 2. Per. Fr. C. A. Abraham | Tutorial System |
| 3. Dr. A. S. Narayana Pillai | (a) Orientation Programmes (b) Scope and requirements of different professions |
| 4. Shri K. Ayyappa Panicker | Cocurricular activities of students (a) Cultural activities (b) Literary and Debating activities (c) Organisational activities |
| 5. Shri K. O. Isaac | Occupational Information |
| 6. Shri V. M. George | (i) Needs of students (ii) Educational programme to the needy students (iii) Reorganisation of University Education |

The papers presented at the Conference and the recommendations made by the Conference are being published in the form of a book to be used by Youth Welfare workers in Colleges.

Campus Work Projects

Under the Campus Work Projects Scheme of the Government of India for the year 1964-65 three applications received from the following colleges for the construction of work projects (to be approved) were forwarded to the Government of India by recommendation of the University —

| College | Work project |
|---|--------------------------|
| 1. N. S. S. College, Chappalam | Forest in Hall |
| 2. St. Francis College for Women, Ch. Er. | Recreation Hall, Library |
| 3. St. George's College, Kottayam | Library |

Kerala University Youth

The fifth number of the Kerala University Youth was published on 26th January 1964 and the sixth number on 15th August 1964. The circulation figures stood at 27,900 for the fifth number and 34,500 for the sixth.

Under the auspices of the Kerala University Youth, Kerala University Youth Competitions Nos. II and III were held in the following items:—

Competition No. II

1. A poem of 20—40 lines in English.
2. A humorous skit of about 1,200 words in English.
3. An essay of 1,000—1,200 words in Malayalam on the subject “Indian Samskarikarangam Swatantrya-sampadanathinu sesham”.

Competition No. III

1. A poem in Malayalam.
2. A short story in Malayalam.
3. An essay in English on “Space Age”.

The entries received were adjudged by a panel of three Judges for each item. Prizes were awarded as noted below for the three items of Competition No. II and item 2 of Competition No III.

| <i>Item</i> | <i>Nature of award</i> | <i>Winner</i> |
|-----------------------------|------------------------|--|
| <i>Competition No. II</i> | | |
| Poem in English | First Prize | Shri C. Narayanan Nampoothiripad, St. Joseph's College, Devagiri. |
| | Second Prize | Shri V. C. John, Government Victoria College, Palghat. |
| Humorous Skit in English | First Prize | Not awarded. |
| | Second Prize | Shri Thimmappa Gatti, Government, Training College, Tellicherry. |

| Item | Nature of Award | Winner |
|----------------------------|-----------------|---|
| Essay in Malayalam | First Prize | Smt. Mary Jacob, German Christian College, Alwaye |
| | Second Prize | Shri C. N. Somanabalan Tirur, University College, Tiruvardur |
| Competition No. III | | |
| Short story in Malayalam | First Prize | Shri M. K. Radhakrishnan, Engineering College, Tiruchur. |
| | Second Prize | Shri P. G. Gopasathakurup, University College, Tiruvardur |

Visits by Foreign Students

1. Tour of Cultural Students

Of the 30 Australian University students who came to India under the Australian Overseas Student Travel Programme, a group of 5 students visited Kerala in January 1961. A reception was given to them on 5.1.61 when they arrived at Tiruvardur. They sojourned for a week and it was so arranged as to enable them to study Indian life. They visited places of cultural, educational and scenic importance in Kerala.

2. Tour of Film Students

A group of 12 American students of the University of Maryland, The department arranged their programme in Kerala in collaboration with the Director of Tourism. A trip plan was arranged on 18 August 1961 for their visit. The film students visited various educational institutions in Tiruvardur and went to Cochin and Pallativayal. They were in Kerala for about a week.

UNIVERSITY UNION

President: For 1963-'64 — Shri K. P. Kesava Karanavar,
Student, Law College,
Trivandrum.

Secretary: For 1963-'64 — Shri T. K. Mammad,
Student,
Ayurveda College,
Trivandrum.

Honorary Treasurer: Dr. E. I. George,
Reader and Head of the Department
of Psychology, Trivandrum.

The Union provides a reading room and a library and facilities for indoor games.

During the academic year 1963-'64, 442 University students took membership of the Union and the Executive Committee functioned with 17 members. The Committee held several meetings.

Dr. John Mathai Memorial Inter-Collegiate English Elocution Competition 1963-'64

Dr. John Mathai Memorial Inter-Collegiate English Elocution Competition for 1963-'64 was conducted by the Union at the Ayurveda College, Trivandrum, on 17th January 1964. Fourteen Colleges participated in the competition. The rolling trophy for the best team was won by the Sree Narayana College, Quilon. Individual cups were awarded to Shri C. N. Somasekharan Nair, University College, Trivandrum (First Prize) and Shri C. K. Koshy, Fatima Mata National College Quilon (Second Prize).

A 'one-day' discussion camp of University students was conducted at Kovalam on 19th January 1964. About 80 students participated in the discussion camp. Dr. V. K. Sukumaran Nair, Head of the University Department of Politics, presented a working paper on "The Language problems in India".

The valedictory function of the University Union was conducted on 16th March 1964 at the Convocation Hall. Shri R. Sankar, the then Chief Minister of Kerala and Pro-Chancellor of the University, delivered the valedictory address.

On 22nd September 1964, Mr. Rama Labhaya Lakhina, Associate Secretary of the International Students' Conference (with permanent Secretariat at Leiden, Netherlands) visited the University and various colleges in Trivandrum. A tea party was arranged in honour of Mr. Lakhina along with the foreign students and student representatives of Trivandrum Colleges.

Enrolment of members for 1964-'65 has not been made because steps are underway to re-organise the University Union so as to make it a Federation of College Unions.

CHAPTER VI

UNIVERSITY INSTITUTIONS AND DEPARTMENTS (Non-teaching)

I. University Library

Librarian: Shri K. A. Jais, B.Sc., M. Lib. Sc.

Smt. S. Janaki Amma, Asst. Librarian Grade I, who was under re-employment in 1963 was re-employed for a further period of one year from 24-2-1964.

Shri M. M. Jais, Asst. Librarian Grade II, was released on 14-7-1964 to join the Master's Degree Course in Library Science in the Delhi University on deputation and he is currently undergoing the course.

Three posts of Library Assistants were converted into posts of Technical Assistant and filled up by promotion. Four new posts of Library Assistant were also sanctioned during the year and they were filled up.

Library Advisory Committee

There was no change in the personnel of the Library Advisory Committee. Two meetings of the Advisory Committee were held during the year.

Instruction in Library use

In order to ensure a better use of the Library by students, talks were arranged in the Library for the students of the University College on the methodology of library use. One hundred and forty seven students of the various post graduate courses of the University College attended the talk and present days. This programme is being continued.

Access

The shift system under which the Library is kept open from 9 A.M. to 5 P.M. on all days except Sundays and a few holidays, continues to be in operation.

The Pioneer system of issuing books on loan was introduced with effect from 1-7-1964. To a large extent thereby reduced the time involved in the process of issuing books.

The statistics relating to members, books issued on loan, books received, etc., are being maintained.

| | 1963 | 1964 |
|---|--------|--------------------------|
| Number of members (as on 31-12-1963) | 2,267 | (as on 31-12-1964) 2,734 |
| Number of members newly enrolled | 620 | 779 |
| Number of persons who used the Library | 76,578 | 1,17,599 |
| Number of volumes issued for reference within the Library | 72,936 | 1,03,844 |
| Number of volumes issued on loan | 30,247 | 41,487 |

The number of persons who withdrew their membership during the year is 312.

Books and Journals

| | |
|---|----------|
| Number of volumes in the Library on 31-12-1963 | 94,540 |
| *Number of volumes newly added during the year 1964 | 10,255 |
| Number of volumes in the Library on 31-12-1964 | 1,04,795 |

During the year the Library received 212 books as gift from the Asia Foundation under its "Books for Asian Students" Programme. A few valuable back volumes of "Chemical Abstracts" and "Journal of the American Chemical Society" received from the Foundation deserve special mention.

Reorganisation

The re-organisation of the Library made steady progress during the year. 9,786 books of the old stock were classified and catalogued. The total number of books including current books classified and catalogued during the year was 15,078.

* This includes 212 books received from the Asia Foundation and 309 books received from other sources as gift.

2. University Manuscripts Library

Curator : Dr. K. Raghavan Pillai M.A., Ph.D.

Dr. K. Raghavan Pillai, Curator, has been nominated as a member of (a) The State Advisory Committee for Archives by the State Government and (b) The Expert Committee for Library Science attached to the Standing Commission for Scientific and Technical Terms by the Union Government.

The Library continued its project of collection, preservation and publication of ancient manuscripts.

The research Staff of the library, under the guidance of the Curator, carry on textual research leading to critical edition and publication of texts.

Texts are published from the Library in two series—*Tirumandrum Sanskrit Series* and *Tirumandrum Malayalam Series*.

Two quarterly journals are also published—one in Sanskrit and the other in Malayalam. The purpose of the journals is the publication of smaller works serially.

Publications

The following works were published during the year —

Tirumandrum Sanskrit Series

1. Ambakalapa
2. Adbhutatapamra
3. Sattatamalakara, Part I
4. Bhagavata Campa
5. Karamallamam

Tirumandrum Malayalam Series

1. Avatipada Atmaprakasam
2. Bhavabhutavada Gita of Neelakantha Bharata — a critical edition of textual research
3. Pattukal, Part I — a collection of rare old Malayalam poems
4. Durgacharya — Nadakam — a rare religious Malayalam work of 13th A. D.

Journals

- Sanskrit* — *Journals of the Kerala University Oriental Manuscript Library*
 Vol. no. XIII No. 3 and 4
 Vol. no. XIV No. 1
- Malayalam* — *Pravara Tirumalaram*
 Vol. no. XIV No. 3 and 4

Manuscripts

During the year, 1317 codices of palm leaf manuscripts and 2 paper manuscripts were collected. About 3,000 manuscripts including the manuscripts of H. H. The Maharaja's Palace Library and the Government Oriental Manuscripts Library, Madras, have been catalogued and brought to accession. Index matter of Sanskrit manuscripts "Alphabetical Index, Volume III" has been prepared and finalised.

Manuscripts service is provided to institutions and scholars all over the world. This includes supplying information and transcripts of manuscripts. The facilities of the Library are made use of by visiting scholars.

Research work

Dr. K. Raghavan Pillai continued to supervise the research work of the following candidates :—

1. Shri R. Rama Varma Thampuran for M. Litt. on the Philosophical Ideas of Kalidasa.
2. Shri C. P. Madhavan Namboodiri for Ph.D. on Brahmasiddhi - a critical edition.

Other activities

1. The Library took part in the exhibition of rare manuscripts organised by the National Museum, Delhi, in connection with the 26th International Congress of Orientalists held from 4th to 10th January, 1964.
2. Dr. K. Raghavan Pillai the Curator, gave an orientation course on "Ancient Kerala and the development of its Social Institutions" to
 - (i) a group of history students of the Syracuse University, U. S. A., who visited the country in August, 1964; and
 - (ii) a group of graduate students from New York University in December, 1964.
3. Dr. K. Raghavan Pillai took part in symposiums on 'Ancient Indian Culture' at Trivandrum and on 'Kodungalloor Kunjikuttan Thampuran' at Kodungalloor (Cranganore) in August 1964 and on 'Private Archives' at Trivandrum in December, 1964.

4. *Tape recording of Vedic hymns*

The Library has a programme for building up a collection of tape records of Vedic hymns for future research since the pronunciation which can vocally render the Vedas properly is fast dying out.

The Curator held a conference of Sambhudi Vaidika in October 1964 at Trichur in this context and had some recording of Vedic recitations made to illustrate his talk on "Sambhudi Vedic recitation and Kerala University's programme of Vedic recording" before the Vedic section of the 22nd All-India Oriental Conference at Gauhati from 2nd to 5th January 1965.

3. Department of Publications

Superintendent: Sri K. Parameswara Menon, M.A., LL.B.

The aim of the Department is the promotion of Malayalam Literature through the publication of books in various branches of science and humanities.

The Advisory Committee for the Department of Publications was re-constituted during the year with the following members:—

1. Prof. A. Chandrabalan, (Chairman),
Dean, Faculty of Oriental Studies,
University of Kerala.
2. Dr. K. Bhaskaran Nair,
Director of Collegiate Education, Thiruvananthapuram.
3. Sri K. C. Chacko,
Principal, College of Engineering, Thiruvananthapuram.
4. Sri K. K. M. M. Kurian Pillai,
All India Radio, Thiruvananthapuram.
5. Sri K. Chandrabhatan,
Professor of Malayalam,
Sree Narayana College, Quilon.
6. Sri C. Narayana,
Professor of Economics,
Government College, Calicut.
7. Dr. V. K. Alexander,
Professor of Philosophy,
Vivekananda College, Quilon.

8. Dr. N. S. Warriar,
Principal, University College, Trivandrum.
9. Dr. P. K. Narayana Pillai,
Professor & Head of the Department of Malayalam,
University of Kerala, Trivandrum.
10. Shri K. Parameswara Menon, (Secretary—ex officio)
Superintendent,
Department of Publications of the University,
Trivandrum.

A meeting of the Advisory Committee was held on 22nd May, 1964.

Publications

1. "Kavyakairali", an anthology of Malayalam poems prescribed for the two-year Pre-degree course was published during the year.
2. Up-to-date-catalogues of the publications of the Department and of the University Manuscripts Library were printed for supply to the traders and learned institutions.
3. The following publications of the Department were re-printed during the year :—
 - (a) Arogyamargangal by Dr. L. A. Ravi Varma
(Second edition)
 - (b) Kerala Sahitya Charitram, Volumes III and IV
by Ulloor S. Parameswara Iyer
 - (c) "Gadyasamaharam" and "Padyasamaharam"
prescribed for the one-year Pre-University Course
(Fourth impression)

Steps were taken for the reprinting of Volumes I and V of the Kerala Sahitya Charitram.

The sole agency for the sale of publications given to Messrs. National Book-stall, Kottayam, has been working satisfactorily.

Five Malayalam publications of the Department have been approved by the Director of Public Instruction for use in school libraries.

- (3) cognate words from Tamil, Kannada, Telugu, Tulu, and other languages of the Dravidian family in the case of indigenous words ;
- (4) indication of the origin in the case of loan words from Sanskrit and other languages ;
- (5) Etymological note ;
- (6) the part of speech ;
- (7) meanings in Malayalam and in English (with definitions, explanations, correct usages, grammatical notes, indication of the class of verbs, reference to authorities, etc.) ; and
- (8) illustrative usages from Old, Middle and Modern Malayalam works in chronological order (together with indication of the year when the usage is quoted from documents of known date).

The final stage of the work is editing and publication. The plan envisages the publication of the dictionary in seven volumes of nearly 1,000 pages each. Editing of matter for the first volume was also completed by 1960 along with other items of work, and immediately steps were taken for printing. There was considerable difficulty in this matter as no private press could undertake a work of this magnitude and complexity. Even the Government Press, which finally agreed to undertake the work, had to take nearly two years to equip itself with necessary types, particularly Roman types with diacritical marks required for giving the transliteration of Malayalam words. The work of printing of Volume I was, however, begun from the beginning of 1964, and it is nearing completion. This contains all the words under the first letter 'അ', numbering more than 12,500 and more than a lakh of quotations and thousands of references to authorities. This volume will run to nearly 1,000 pages, and will include an introduction, a list of abbreviated titles of books, classified lists of verbs, etc. This will be the first lexicon in any Indian language, compiled on historical and philological principles of lexicography. Several scholars to whom specimen articles on words were circulated have intimated their appreciation of the method and execution of the work.

The work of editing matter for the remaining volumes of the lexicon is making steady progress.

Journal

The work was originally sanctioned by the Government to be carried on under the control of the University. The Government of Madras gave an amount of Rs. 5,000 - during the first stage of the work. The U.G.C. gave an annual token grant of Rs. 20,000/- each for 4 years during the first and second stages of the work. The Commission was then pleased to enhance its share from 1953 on the recommendation of a Visiting Committee sent by it to inspect and report on the work. The share of the University Grants Commission accordingly was fixed at 50% of the expenditure of the salary of the staff and 62 1/2% of the expenditure for non-recurring items such as printing, etc. The remaining part of the expenditure is met by the State Government and the University.

5. Journal of Indian History

Editor: Shri P. K. Karasakara Menon, M. A., M. Litt., L. T.

Associate Editors

- (i) Dr. K. K. Pillai, M.A., D.Litt. (Madras), D.Phil. (Oxon)
Professor of Indian History,
University of Madras.
- (ii) Shri P. C. Joseph, M. A.,
Principal, C. M. S. College, Kottayam
- (iii) Shri K. P. Pillai, B. A. (Oxon),
Retd. Professor of History,
University College, Tiruvardur

There are 12 members in the consulting Editorial Board, mostly eminent Professors.

The Journal of Indian History is published in April, August and December every year. Articles bearing on Indian History and Culture, besides reviews of books, are published in the Journal.

6. University Employment Information and Guidance Bureau

Shri K. S. Lakshmana Parakkal, Professor of Economics, University College, Tiruvardur, continued to be the Principal in charge of the Bureau.

Shri Jeyaraj Lakshmi, M.A., B.T., D.P., is I. A. V. G. now charge and Employment Officer of the Bureau on 3-3-61.

During the year the Bureau made a special feature in the publication of its magazine 'Employment Information' which is published at intervals of six months and contains a list of vacancies of Government and other public and private and educational and Governmental offices.

The number of persons in the live register of the Bureau on 1-1-1964 was 585. During the year 845 persons (691 men and 154 Women) registered their names with the Bureau for employment assistance. As many as 739 persons were removed from the rolls on account of placement in employment or failure to renew registration. Consequently on 31-12-1964 the live register comprised 691 persons.

The Bureau effected 5,289 submissions against vacancies circulated by the Central Employment Exchange, New Delhi, the State Employment Co-ordination Officer, Directorate of National Employment Service, Trivandrum, and various Employment Exchanges in India including speculative submissions, i.e., submitting candidates without receiving reports of vacancies or vacancy notifications. The number of persons placed in employment during the year was 99. The results of a large number of submissions are awaited. A number of placements were received during the year out of the speculative submissions made by the Bureau.

As many as 3,422 persons called at the Bureau seeking advice on higher courses of studies in India and abroad. In addition, the Bureau replied suitably to 1,446 enquiries received by post. The Bureau also sponsored the applications of two candidates for admission to universities abroad. Group guidance was administered to 131 groups comprising 1,266 candidates. In addition, 66 candidates were given intensive individual guidance.

The Bureau gave wide publicity through the Director of Public Relations and All-India Radio to 75 items relating to award of scholarships, new courses of studies, vacancies of university teachers in India and abroad, competitive examinations and admission to educational institutions.

The highlight of the activities of the Bureau during the year was the publication of the fortnightly bulletin "Student Guide" disseminating latest information on matters which are of primary interest to the student world including educational and vocational guidance. Two hundred and fifty copies of the bulletin are being distributed to the different colleges in the State.

The library of the Bureau now contains 1,318 books (informative literature).

The Employment Officer of the Bureau attended the All-India Conference of University Employment Bureaux held in January 1964 at

Banarasi. He also participated in the Annual Conference of the Indian Conference of Social Workers held at St. Mary's College, Talcher, as guest speaker on "Guidance in Colleges".

7. Engineering Unit

| | |
|--------------------------|---|
| University Engineer, | Sri K. R. Mahapatra, B.Sc. |
| Assistant Engineer, | Sri Bhubu Abraham |
| University Sub-Division, | |
| Tinari, Bhubaneswar | |
| Assistant Engineer, | Sri Jayendra Prasad (formerly B.E. I. I. T. Bombay) |
| University Sub-Division, | |
| Titagarh, Cuttack | |
| Assistant Engineer, | Sri Ashwini Koya |
| University Sub-Division, | |
| Cuttack | |

The Engineering Unit was constituted with a nucleus of staff taken from the University and those deputed from the Public Works Department and Electricity Department, on foreign service conditions.

The building programmes as approved by the University are being taken up except for the University Centre, Cuttack, for which a new site has been selected at about 14 miles South of Cuttack on the side of the National Highway.

Technical Centre

The Crafts Museum and the Non-Resident Students' Hostel, the two major buildings started last year are almost complete.

Work is in progress for the construction of Engineers' Office and Store, Electrical Works Building, for the Public Department and approach roads to the project, as the expected to be completed by the end of the year.

The construction of the main library will be started soon.

The Works of the Government of India, the Public Health Engineering Department has also started the construction of the main library and the

In the Aquarium compound, the construction of a semi-permanent building for the Department of Zoology was completed and handed over to the Department. The Aquarium proper was re-modelled by improvements to the buildings, laying out gardens, providing garden seats, lights, tanks, etc. and sheltering the approach roads. Construction of quarters for the Curator and extension of Aquarium have been taken up and will be completed shortly.

Ernakulam Centre

The Hostel Building attached to the Oceanographic Laboratory is nearing completion and it will be fit for occupation soon. The two staff quarters constructed have been allotted to the Readers. Construction of Aquarium and its salt water circulation system is in good progress. Work on water supply installation is nearing completion.

Construction of Engineers Office, R. C. C. Overhead tank and approach road for the Centre is in progress.

Detailed plans for the Physics Department and Hostel for men have been received from the Architect and the estimates are under preparation.

Tenders for the building of the School of Business Management have been invited.

Besides those mentioned above, very many minor works of maintenance and special improvements to buildings and supply of furniture to various Departments were also carried out.

8. KERALA UNIVERSITY PRESS

The starting of a printing press under the University during the Third Five Year Plan was under the serious consideration of the University since 1961. Shri G. Sathiadhas, Assistant Superintendent, Government Press, Trivandrum, was appointed Officer-in-charge of the University Press from 1-10-1962 (on deputation). Printing machines and accessories required for the press were purchased regularly since then. A new building for the press was constructed in the University Campus. Printing machines were erected in the new building and the

Press was provided with all the necessary accessories. At present there are three cylinder printing machines, three plate printing machines, two paper cutting machines, one wire stitching machine, one ruling machine, one die, stamping machine and certain other small machines for binding and other purposes. The total cost of these machines and other printing appliances and types comes to about Rs. 2,32,000/-.

Printing and binding works of the University were undertaken by the University Press from April, 1964. Malayalam textbooks — Gadyasamasthanam and Padhyasamasthanam for the one-year Pre University Course and Kavyasamasthanam for the two-year Pre-degree course — are printed in the Press and supplied to the Publications Department of the University. Printing of University Information Bulletin, Syndicate and Senate Minutes, etc. of the University was undertaken by the Press.

CHAPTER VII

LECTURES AND PUBLICATIONS

(A) Lectures

Lectures were given as detailed below under A, B and C, for the year 1964.

| Lecture | Lecturer | Venue | Date | Subject |
|---------------------------------------|--|---|--------------------|---|
| 1. Mahakavi Ulloor Lectures | Kavithilakan Vadakkumkoor Raja Raja Varma Raja | University Buildings, Trivandrum. | January, 1964 | 1. Pandya Sahityam 2. Position of Ulloor among the Prose Writers 3. Kerala Sahitya Charitam 1. Storm Signals on the Food Front 2. Vegetarianism - Past and Present 3. Obesity as a Dietary Problem 4. Food Technology and Nutrition |
| 2. Subramonia Karayalar Lectures | Dr. V. Subramonium, Emeritus Scientist, Central Food Technological Research Institute, Mysore. | do. | do. | 1. Kerala's Place in Indian Demography 2. Some Aspects of Kerala's Demography (two lectures) |
| 3. Dr. A. Ramaswami Mudaliar Lectures | Dr. S. Chandrasekhar, Director, Indian Institute for Population Studies, Madras. | do. | do. | Tagore's work and Philosophy (6 lectures) |
| 4. Tagore Professorship Lectures | Dr. Nihar Ranjan Ray, Professor, Calcutta University, Calcutta. | (i) University Buildings, Trivandrum. (ii) Town Hall, Calicut. | March, 1964 do. | do. |

The following lectures were also delivered under the auspices of the University:-

| Lecturer |
|---|
| Dr. T. E. Allibone |
| Dr. S. S. Shrikhande, Professor of Mathematics, University of Bombay. |

Subject

1. New Development in the Production of Electric Power
2. Design of Experiments

PUBLICATIONS

(b) Research Papers

| Topic | Author | Journal |
|---|----------------|--|
| Estimation of Parameters in Keno | V. R. Pillai | Panchayati Raj |
| Construction of a Test for Independence | P. G. & Pillai | Economic Times |
| Test for Independence in Keno | do | do |
| Estimation of Parameters in Keno | do | Labour and Industries Review |
| Estimation of Parameters in Keno | do | Indian Journal of Labour Economics |
| Estimation of Parameters in Keno | do | Asian Economic Review, November 1964 |
| Estimation of Parameters in Keno | do | A paper presented at the Symposium on the Application of the Present Rate of Growth of Population in Kerala - organized by the Bureau of Economics and Statistics in August, 1964. |
| Estimation of Parameters in Keno | M. A. Pillai | Planning and Construction, July 1964 |
| Estimation of Parameters in Keno | A. K. Pillai | Malayala Manoranjan, September 1964 |

| <i>Title</i> | <i>Author</i> | <i>Journal in which published</i> |
|---|----------------------------------|--|
| Education and the concurrent list | V. K. Sukumaran Nayar | Paper presented at a Seminar organised by the Kerala Educational Forum |
| Public Administration and the Public Interest | N. R. Visalakshi | Paper presented to the Seminar on Public Enterprises organised by the Osmania University in May 1964 |
| Growth of non-alignment in World affairs | N. Parameswaran Nair | |
| Mental Hygiene for Industry | E. I. George & Joseph D. Dameron | Conference of the Indian Academy of Applied Psychology, December 1963 |
| Group Dynamics in Industrial setting | Joseph D. Dameron | Conference of the Indian Academy of Applied Psychology, December 1963 |
| Cross cultural validity of twelve clinical diagnostic tests | K. Devadasan | Journal of the I. A. A. P., May 1964 |
| Teaching of English in the Pre-University class | M. Manuel | |
| Shakespeare in the Theatre of His Time | C. P. K. Tharagan | Shakespeare Centenary Souvenir of the British Council, Madras |
| Reorganisation of Post-graduate English Teaching | do. | |

| Title | Author | Journal or Publication |
|--|----------------------|---|
| Education as a University Discipline | N. P. Földi | Journal of University Education, January 1964 |
| The History of Teacher Education in Secondary Education | do. | Education and Psychology Review, Bareilly, July 1964 |
| A comparison of the curriculum of the teachers of M. F. A. degree holders and the performance of the teachers in different parts of India | do. | Studies in Education, 1964 |
| Control of the Public Screening Process— Comparative Study in the United States and India | R. Prasad | Science Court Journal, June 1964 |
| Participation by the members of the community in education | Virginia George | Indian Science Congress, 1963 |
| The history of the development of the secondary education in North America and the world | A. John Kuttan | do. |
| The development of the secondary education in India, Africa and the world | N. Krishnan Narayana | Education Abstracts Vol. XVI, No. 1, July 1964 |

| <i>Title</i> | <i>Author</i> | <i>Journal in which published</i> |
|---|--|---|
| Some aspects of Statistical Inference on m^{th} order Markov Processes | R. Krishna Pillai | Dissertation abstracts, 1963, U. S. A. |
| The Lattice point problem of many dimensional Hyperboloids, I & II | B. R. Srinivasan | Acta Mathematica, VIII (1963) |
| The Wives work experience and child spacing | N. Krishnan Namboodiri | Milbank Memorial Fund Quarterly, July 1964 - U. S. A. |
| A test of accuracy of Ratio Correlation Population Estimates | N. Krishnan Namboodiri, D. Goldberg & V. R. Rao | Land Economics, February 1964 - U. S. A. |
| Force constants of Calcite and Sodium Nitrate | K. Venkateswarlu & K. Ramaswamy | Indian Journal of Pure and Applied Physics, C. S. I. R. |
| Molecular force fields : bent ZYZ type molecules | K. Venkateswarlu & S. Mariam | do. |
| Molecular force fields : XY_2Z_2 type molecules | K. Venkateswarlu & V. Malathy Devi | do. |
| Mean amplitudes of Vibration : XY_3Z_3 type molecules | do. | do. |
| Molecular Force Fields | K. Venkateswarlu | do. |

| <i>Title</i> | <i>Author</i> | <i>Journal in which published</i> |
|--|---------------------------------|--|
| Protein and amino acid contents and physiological properties of the venom of the South Indian Scorpion, <i>Heterometrus Scaber</i> . | P. K. Oommen & P. A. Kurup | Indian Journal of Experimental Biology 2, 78, 1964. |
| Antibiotic substance from the root bark of <i>Premna Integrifolia</i> | K. K. Kurup & P. A. Kurup | Naturwissenschaften 20, 484, 1964 |
| Mechanism of antibacterial action of antibiotic isolated from leaves of <i>W. Somnifera</i> . | J. Mohan Das & P. A. Kurup | Indian Journal of Biochemistry I (3) 157, 1964 |
| Part I — Reaction between Antibiotic & Glutathione | | |
| Occurrence of liquid alkaloids in <i>Vinca rosea</i> | N. Ramiah | Journal of the Indian Chemical Society, Vol. 41, No. 7, 1964 |
| Studies on metal halide dioxanates—Part IV—Studies in Titanium chloride di-oxanate | S. S. Moosath & P. M. Kaimal | Z. anorg. allgem. Chem. |
| Studies on metal halide dioxanates, Part V—Studies on thorium chloride dioxanate | do. | do. |
| Thermal decomposition of the hydroxides of metals of Group IV A | do. | J. Nucl. Inorg. Chem. |
| Thermal decomposition of potassium trioxalate-chromate | do. | Indian Journal of Chemistry |
| Oxidation of thiourea with Ceric Sulphate | do. | do. |

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Catalogue, 17, 77-91

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Vol. 10, 241-244

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1954

J Amer Microscop Soc, 1954, 73, 107-110,
Dec. 1954

J Amer Microscop Soc, 1954, 73, 107-110,
1954

Author

C. A. N. 24 &
K. S. 24

C. A. N. 24 & K. S. 24

C. A. N. 24 (with others)

P. L. K. 24

K. George

T. A. N. 24 &
I. I. 24

K. S. 24

P. S. 24

K. S. 24

A study of the effect of the environment on the development of the embryo of the mouse, with special reference to the effect of the environment on the development of the embryo of the mouse.

A study of the effect of the environment on the development of the embryo of the mouse, with special reference to the effect of the environment on the development of the embryo of the mouse.

A study of the effect of the environment on the development of the embryo of the mouse, with special reference to the effect of the environment on the development of the embryo of the mouse.

A study of the effect of the environment on the development of the embryo of the mouse, with special reference to the effect of the environment on the development of the embryo of the mouse.

| Title | Author | Journal in which published |
|--|----------------------|--|
| Regeneration of connective bodies of the neurosecretory system of <i>Jonespelus</i> | V. K. K. Prabhu | Indian J. Exp. Biol. 2, 5-8, 1964 |
| Supplementary Reproductives (Neotenic) from a colony of <i>Microcarotermes fletcheri</i> Holmg. and Holmg. (<i>Isoptera</i> , <i>Termitidae</i>) | K. J. Joseph | Curr. Sci. 20th Jan. 1964, 33 No. 2 pp. 54-55 |
| A proposed revision of the classification of fig insects of the families Agaonidae and <i>Torymidae</i> (Hymenoptera) | do. | Proc. R. Ent. Soc. Lond. (B) 33 (3-4) pp. 63-66, April 1964 |
| A new Genus of Termitophilous Atelurinae (<i>Thysanura</i> , <i>Nicoletidae</i>) from India | do. | Insectes Sociaux, Paris, Volume X, 1963 No. 4 pp. 379-386 |
| Further observations on the deep water lobster, <i>Puerulus</i> sewelli Ramadan, off the Kerala Coast | C. V. Kurian | Bull. Dept. Mar. Biol, Oceanogr. Univ. Kerala I, pp. 122-127 |
| On the occurrence of the deep water prawn <i>Penaeopsis rectacutes</i> (Spence Bate) off the Kerala Coast | do. | Curr. Sci. 33, (7), pp. 216-217 |
| Some observations on the problem of marine timber destroying organisms of the Indian Coasts | N. Balakrishnan Nair | Journal of Fishery Technology I, 1, pp. 87-97 |

| Topic | Author | Journal or Source |
|-----------------------|--------------|---|
| Properties of the ... | N. ... | Science Reporter, C.S.I.R.I., 521-522, 1964 |
| ... of the ... | ... | Journal of Morphology and Physiology, N.I., pp 31-32, 1964 |
| ... of the ... | C. D. Mc ... | Journal of the ... Research Board of Canada, N.I., pp 11-12 |
| ... of the ... | ... | N. I. Dept. Nat. ... Co., ... |
| ... of the ... | ... | N. I., pp 97-101 |
| ... of the ... | ... | N. I., pp 101-102 |
| ... of the ... | ... | Proceedings of the ... Society (London, N.I.), (1) pp 1-2, 1964 |
| ... of the ... | ... | Proceedings of the ... Society (London, N.I.), (2) pp 1-2, 1964 |

| Title | Author | Journal in which published |
|--|---------------------|---|
| On a collection of Umbellula from the Arabian Sea | P. Dinamani | Nytt Magasin for Zoologie, Oslo. XII, pp. 30-34, 1964 |
| Variation in form, orientation and mode of attachment of the Cirriped, <i>Octolasmis stella</i> (Ann.) symbiotic on the gills of lobster | do. | Journal of Animal Ecology, London XXXIII, pp. 357-362, 1964 |
| Post-Cyprid stages of <i>Poecilasma</i> (<i>Temnaspis</i>) <i>excavatum</i> Hoek | do. | Bull. Dept. Mar. Biol. Oceanogr. Univ. Kerala, I, pp. 1-8 |
| Studies on Indian Copepods—7 on two Calanoid copepods. Ridgewayai typica Thompson & Scott and R. Krishnaswami N. Sp. | A. N. P. Ummerkutty | Ibid. I, pp. 15-28 |
| Physiology of aestivation in the Indian apple snail Pila Part I - Adaptation to natural and environmental conditions | V. R. Meenakshi | Comp. Physiol. Biochem. II, pp. 379-389 |
| On a new lepidomysid from South India | N. Krishna Pillai | Crustaceana, Amsterdam VII, pp. 113-124 |
| Parasitic isopods of the family Cymothoida from South Indian fishes. | do. | Parasitology, Cambridge, LIV, pp. 211-223 |

| Title | Author | Journal in which published |
|--|---------------------------------------|---|
| A redescription of <i>Papulina brevicanda</i> M.S. Wilson (copepoda : caligoida) with observations on the genus <i>Diphylogaster</i> Brain | N. Krishna Pillai & K. G. Padmanabhan | J. Bombay Univ., Vol. 31, pp. 91-99. |
| Kerala Samskṛta Sahitya Darpana | A. G. Krishna Warriar | Visvasamskrta, March 1964 |
| A new angle on the problem of unreality in Advaita | do. | Prabuddha Bharat, March 1964 |
| The Philosophy of Radhakrishnan (6 articles) | do. | Mathrubhumi, Calicut, July 1964 |
| Saubhagya Laksmi Upanisad | do. | Adyar Bulletin. |
| Some less known facts relating to Swati Tirunal | S. Venkitasubramonia Iyer | Journal of Music Academy, Madras. Kerala Bhushanam Annual, 1964 |
| Bhashayude Pitavu | C. J. Chacko | Malayala Manorama, October, 1964 |
| George Mathan | do. | Grandhalokam, January 1964 |
| The importance of Metre in Poetry | P. S. Velayudhan Pillai | University Youth |
| Natakangalude Lokam | V. Subramonia Sarma " | Kerala Islamic Souvenir |
| Mappila songs | K. B. Mohammed Hassan | Kamudi weekly, November 1964 |
| Arabic Literature, Hansa Language | do. | |
| Hindi aur Malayalam me anevale tatsam | M. Easwari | |
| Sabdon ka tulanatmak adhyayan | do. | |
| Bihari aur unki kavita | do. | |

[illegible]

| <i>Title</i> | <i>Author</i> | <i>Journal in which published</i> |
|--|---|--|
| Studies on the Nutritive value of certain unconventional feeds of special importance to Kerala | A. Ramakrishnan & P. Amardanan | Kerala Vet. |
| Tamarind Seed, Rubber Seed and Tapioca Leaf | T. R. Sankaran, R. Ramakrishnan & Kumukutty | Kerala Vet. |
| Infection with <i>Besnoitia</i> in chicken in India | C. G. Sivadas | Current Science, Indian Institute of Science, Bangalore |
| Experimental Leptospirosis in calves | P. K. Abdulla | Kerala Vet. |
| A case of <i>Oestophagosele</i> in a Bullock | K. P. D. Nair | do. |
| Ranikhet Disease | B. R. Krishnan Nair | do. |
| A case of Granulosa Cell Tumour | M. Kannankutty & T. Sreedharan | Indian Journal of Pediatrics, 31, 41-45 1964. |
| Some observations on Biochemical Properties and Virulence of <i>C. diphtheriae</i> isolated in Lucknow | M. Kannankutty, S. P. Gupta & N. P. Gupta | Indian Journal of Medical Research, 40: 4 |
| Some observations on Diazo test in Typhoid and other febrile conditions | M. Kannankutty & T. Sreedharan | Indian Medical Review, 1964 |
| Potentiation of Paraldehyde Hypnosis by Tolbutamide | K. Samu Iyer | The Journal of the Association of Physicians and Pharmacologists of India, January, 1964 |

| <i>Title</i> | <i>Author</i> | <i>Journal in which published</i> |
|--|-----------------------|--|
| Organisational Pattern of Education in Kerala | K. Kumaraswami Pillai | Education, March 1964 |
| Professional Preparation of Teachers in Mathematics | | |
| Part I | do. | Education, June 1964 |
| Part II | do. | Education, July 1964 |
| A Plea for Parent-Teachers Organisation | | |
| Part I | do. | Journal of the Mysore State Education Federation, June, 1964 |
| Part II | do. | do. July, 1964 |
| An Investigation regarding the selection of a special subject for the B.Ed. course | do. | do. November 1964 |
| Mathematics Club | do. | Education, November 1964 |
| Prices and Production | C. Narayanan | Kerala Sandesh |
| Inflation | do. | Malayalarajyam |
| Save for yourself and the country | do. | Light weekly |

| Title | Index | Amount or Value |
|-------------------|----------------|------------------------------|
| Interest on Bonds | C. No. 1000000 | Matthias |
| Interest on Bonds | do. | Matthias |
| Interest on Bonds | do. | Matthias |
| Interest on Bonds | do. | Printing and Commerce |
| Interest on Bonds | do. | Capital Division of Commerce |
| Interest on Bonds | B. C. 1000 | Society |
| Interest on Bonds | B. C. 1000 | Matthias |
| Interest on Bonds | do. | Matthias |
| Interest on Bonds | do. | Matthias |
| Interest on Bonds | do. | Matthias |

(ii) Books

| <i>Title</i> | <i>Author</i> |
|--|------------------------|
| (a) University Departments | |
| Political Theory of Ancient India | John W. Spellman |
| Constitutional Experiments in Kerala | R. Ramakrishnan Nair |
| Modern One-Act Plays | M. Manuel |
| Women in English from Milton to Wordsworth | K. P. Karunakara Menon |
| Sahitikalaksam | P. K. Narayana Pillai |
| Arivinte Kanikal | C. J. Chacko |
| Yugacharyan | V. Subramonia Sarma |
| Thamizhmozhi Cinthanaigal | M. Elayaperumal |
| Ilakkiyakkatturaikal | S. V. Subramanian |

(b) Affiliated Colleges

| | |
|---|-----------------------|
| Elements of Economics | C. Narayanan |
| Economic Planning in Under-developed Countries. | do. |
| Algebra for Pre-degree Class | S. Parameswaran |
| A Text-book of Pre-degree Chemistry | A. O. Thomas |
| Pre-degree Zoology | S. Parameswara Iyer |
| Modern Engineering Chemistry | A. O. Thomas |
| Puthen Veedu | Hebzeibah Jesudasan |
| Anthi Mayangumpol- A Collection of Lyrics | P. Karunakaran Achari |

CHAPTER VIII

CONGRESSES AND CONFERENCES

The Vice-Chancellor continued to be the representative of the University on the Inter-University Board of India.

On the invitation of the Commonwealth Education Exchanges Committee, the Vice-Chancellor participated in the 16th Commonwealth Education Conference held at Ottawa from 21st August to 4 September 1964 as a special guest. At the Conference he delivered one of the two key note addresses, the subject being "The Commonwealth Scholarship and Fellowship Plan". The other key note address was delivered by Sir Willis Jackson, F.R.S., Head of the Department and Professor of Electrical Engineering, Imperial College of Science and Technology, London.

During his sojourn in America the Vice-Chancellor visited Howard University, Iowa State University and the University of Michigan. Further, he attended meetings of a Study Commission on Education at Berlin in Germany. In New York he addressed the Asia Society at a reception held in his honour. He also met the President and the members of "Education and World Affairs" in New York.

The Vice-Chancellor attended the Annual Meeting of the Inter-University Board of India held at Poona on 21st and 22nd December 1964.

Shri A. M. N. Chatur, Registrar of the University, has been invited by the State Department of the Government of the United States of America to visit the States on a grant under the Educational and Cultural Exchange Programme to observe the administration of various universities in the States. Shri Chatur has been proposed to accept the invitation and he proposes to visit the States in April, 1965.

Prof. V. R. Pillai, Head of the University Department of Education, was invited by the Madras University to deliver the 1964-65 K. J. Somaiyasa Awaras Scholarship with Educational Interest in Education, 1964-65. He delivered the lecture on 21st and 23rd February, 1965, the subject being "Education of Local Government in India".

A resolution of the University Education Commission, Government of Madras, "Study of Educational Reorganisation" was discussed at the Annual Meeting of the University in Dr. N. P. Pillai, Professor and Head, Jawahar Education Department of Education, at February, 1965.

1. Seminar on Democracy and Education

With the financial aid of the University Grants Commission an All India Seminar on 'Problems of Democracy in India and the Relationship of Democracy to Education, was conducted by the University at Trivandrum in January 1964. Dr. V. K. Sukumaran Nayar, Head of the University Department of Politics, was the Convener. About forty political scientists, sociologists and educationists from various universities participated in the seminar.

The seminar was inaugurated by Shri V. V. Giri, the Chancellor of the University. The Seminar had seven sessions and considered various aspects of the general problem under discussion. Shri R. Sankar, Pro-Chancellor, Prof. Samuel Mathai, Vice-Chancellor, and Prof. V. K. N. Menon, former Vice-Chancellor of the University, presided over a session each. All the members of the teaching staff of the Departments of Politics and Education participated in the Seminar as delegates. The following persons contributed papers on the subjects noted against each:-

- | | |
|--|--|
| 1. Dr. V. K. Sukumaran Nayar, Reader and Head of the University Department of Politics. | (i) National values and the Educational System in India (ii) Role of the State in Higher Education in India |
| 2. Dr. N. P. Pillai, Dean, Faculty of Education, & Head of the Department of Education. | Liberal Education and Democracy |
| 3. Dr. K. Raghavan Pillai, Curator, University Manuscripts Library. | The Place of Traditional Values in Democratic Education in India |
| 4. Dr. N. Parameswaran Nair, Lecturer, University Department of Politics. | Indian Universities and the new Elite |
| 5. Dr. A. T. Markose, Professor and Head of the University Department of Law. | Relation of Teaching Methods to Democracy |

2. Seminar on Student Personnel Services

In collaboration with the United States Educational Foundation in India, the Department of Psychology conducted a Seminar on Student Personnel Services in February, 1964. Dr. L. L. George, Head of the University Department of Psychology, acted as Convener.

The Vice-Chancellor presided over the inauguration. Principals and teachers of several colleges participated in the seminar. The following four American specialists presented papers:

1. Dr. James B. Kline,
Associate Professor of Psychology,
Harvard University
2. Dr. Thomas C. Schreck,
Assistant Dean of Students,
Indiana University
3. Dr. Guyer L. Horton,
Associate Professor of Psychology,
Grinnell College
4. Dr. Joseph D. Dameron,
Associate Professor of Education,
Southern Methodist University

To meet the participants the Vice-Chancellor was "At Home" on 11th February, 1964.

The seminar recommended that the College in the State should have at least one student personnel worker and the Department of Psychology should engage a counselling counsellor composed of representatives from various Departments, the Central Engineering Board, Youth Welfare Department, University Health Centre, Student Organizations and all other colleges for the implementation of student personnel services. Other recommendations included a survey of student needs, a counselling programme for personnel workers, the formation of a counselling unit and a counselling unit, a counselling unit of social guidance for students, setting up the concept of the counselling unit by the Department of Psychology and other relevant programmes.

3. Seminar on "Recent Trends in the Study of Political Science"

An All Kerala Seminar on "Recent Trends in the Study of Political Science" was organised by the University Department of Politics from 25th to 27th May, 1964. Dr. V. K. Sukumaran Nayar, Head of the University Department of Politics, was the Director of the seminar. The seminar was inaugurated by the Vice-Chancellor.

Teachers in Politics from a number of colleges participated in the seminar. The following staff of the University Department of Politics contributed papers on the subjects noted against each:

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|---|--|
| 1. Dr. V. K. Sukumaran Nayar (Reader & Head of the Department) | Recent Trends in the Study of Comparative Government |
| 2. Dr. N. Parameswaran Nair (Lecturer) | (i) Trends in the Study of Political Behaviour (ii) Teaching of Political Theory in Indian Universities |
| 3. Shri R. Ramakrishnan Nair (Lecturer) | Recent Trends in the Study of International Relations |
| 4. Dr. N. R. Visalakshi (Lecturer) | Recent Trends in Public Administration |
| 5. Shri K. Sukumaran Nair (Research Assistant.) | Teaching of Civics |

Teachers of Political Science from colleges in Kerala who assembled in the University Convocation Hall on 27th May 1964 formed "The Kerala Academy of Political Science" for encouraging study and research in Political Science.

4. Research Seminar on "Raman and Infrared Spectroscopy"

A research seminar on "Raman and Infrared Spectroscopy" sponsored by the University Grants Commission was conducted in the Maharaja's College, Ernakulam, from 15th to 17th June, 1964. Dr. K. Venkateswarlu, Professor and Head of the University Depart-

Prof. S. Bhapavantam, Scientific Adviser to the Defence Minister, Government of India, inaugurated the seminar. Prof. Samuel Mathan, Vice-Chancellor, presided. About 55 delegates participated in the seminar.

The following staff and research fellows of the University Department of Physics presented papers on the subjects mentioned below:-

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|--|--|
| (i) Dr. K. Venkateswara (Professor) | Vibration of Polyatomic Molecules |
| (ii) Sri C. Purushothaman (Lecturer) | Potential Constants of CH_3 and SO_2 |
| (iii) Dr. S. Maniam (Research Fellow) | Intensity Studies in Raman Effect |
| (iv) Dr. K. V. Rajalakshmi, (Research Fellow) | Mean Amplitudes of Vibration of Polyatomic Molecules |
| (v) Sri. V. Malathy Devi (Research Fellow) | Potential constants of molecules of XY_6 type |
| (vi) Sri. Marimuthu P. Mathew (Research Fellow) | Characteristic lengths and force constants |

5 Seminar on Hindi for College Teachers

Under the auspices of the University, the University Department of Hindi, Erode, conducted a seminar on Hindi for College Teachers from 2nd to 4th August, 1964 with a U. G. C. grant. Sri. A. Chandraiah, Head of the University Department of Hindi was the Director of the seminar.

The seminar was inaugurated by Sri. P. M. Datta, Director, Ministry of Education, Government of India on 2nd August at 10.30 A.M. in the morning. Sri. P. M. Datta, Minister of Education, Government of India, presided over the inaugural meeting. Hindi for Teachers was the theme of the seminar and led to the University and a group of teachers from the University took part in the seminar. Prof. K. V. Rajalakshmi, Dr. S. Maniam, Sri. V. Malathy Devi and Sri. Marimuthu P. Mathew presented papers. There was a very lively discussion on them. Prof. K. V. Rajalakshmi presided over the meeting. The seminar was held in the Department of Hindi.

sessions were -

- (i) Common Script for India
- (ii) A Standard Style for Hindi
- (iii) Grammar Problem of Hindi
- (iv) Development of Hindi as a National Language
- (v) Ways and Means of developing Hindi and Malayalam literatures by comparative study.

The valedictory function was held on 30th August, 1964 when Shri Sankaradasan Thampi, Principal, Law College, Ernakulam, presided and Pandit Devadoot Vidyarthi spoke.

6. Seminar for Teachers of English

Under the auspices of the University Institute of English and with financial aid from the U.G.C., a Seminar for Teachers of English at the Pre-degree level was held at the M. L. A. Quarters, Trivandrum, from 6th to 13th October, 1964. It was organised for the benefit of English teachers of the various affiliated colleges, of whom some fifty three attended. Mr. G. W. Avery of the British Council, Madras Dr. R. N. Ghosh, Central Institute of English, Hyderabad, Mr. Sam Dorairaj, British Council, were some of the distinguished educationists from outside who participated in the seminar.

7. Refresher Course for Pre-degree teachers of Mathematics

Under the auspices of the Kerala Mathematical Association a refresher course for Mathematics teachers of the two year Pre-degree course was held at the C. M. S. College, Kottayam, in September, 1964.

A grant of Rs. 1,000/- was paid by the University Grants Commission to the Association in this connection.

The course aimed at providing an opportunity for the teachers to exchange their views and to have an orientation in their field.

8. Seminar on Post-graduate Teaching of Malayalam

A Seminar on post-graduate Teaching of Malayalam was organised by the University Department of Malayalam at Trivandrum from 27th to 31st December, 1964. Dr. P. K. Narayana Pillai, Professor and Head of the Department, was the Director of the Seminar.

Members of the Boards of Studies in Mathematics and Science teachers of Post graduate Departments in the affiliated colleges participated in the seminar. Dr. N. P. Pillai, Professor and Head of the University Department of Education, presented a paper on the structure and functions of post-graduate studies. At the seminar, the lecturers were paid for recommending the reorganisation of the post-graduate course and preparation of text books for the course. The seminar also recommended to start by the present M. Litt. course as a master's examination course. A workshop for the production of books in Mathematics on science, technology and humanities was also suggested at the seminar.

In connection with the seminar a symposium on "Maths in Higher and Higher Education" was organised on 3-4 December, 1961.

9. Annual Conference of the Indian Academy of Applied Psychology

During the year the 1st annual conference of the Indian Academy of Applied Psychology on "Control of and Guidance" was held under the joint auspices of the University and the University Grants Commission in the University Convocation Hall. The Vice-Chancellor inaugurated the conference. The opening session was presided over by Dr. S. B. Akerman, Professor of Psychology, American University. Eighteen papers were read in three sessions spread over three days. About 150 local delegates attended the conference.

The University Department of Psychology conducted a Psychology Exhibition in connection with the conference at the University College, Tirunelveli, and it was largely attended.

10. Summer School of Linguistics

Under the joint auspices of the University and the Linguistic Society of India, a Summer School of Linguistics was conducted at Tirunelveli from 27-1-1962 to 25-2-1962. It was jointly funded by the University Grants Commission and the University. Head of the University Department of Linguistics was the Director of the School. The following were the members of the organising committee:

- (a) Temporary president: Prof. P. R. Mohan Rao
- (b) Temporary president: Dr. S. B. Akerman
- (c) Vice-president: Dr. P. V. Rao

The school was inaugurated by Shri V. V. Giri, Chancellor of the University. Nearly forty faculty members drawn from the various Indian Universities took part in the School. About 150 registrants, mostly college teachers from different parts of India, participated in the School. This was the first time that a Summer School of this kind was held in Kerala. The valedictory address was delivered by the Vice-Chancellor.

11. Summer Course in Advanced Mathematics

Under the auspices of the University, a three weeks' Summer Course in Advanced Mathematics, for the benefit of teachers of Mathematics at the post-graduate level in affiliated colleges was conducted in the University Department of Mathematics and Statistics at Trivandrum in May, 1964. Dr. (Miss) Aleyamma George, Head of the Department, was the Convener of the course. Dr. V. S. Krishnan of the University of Madras and Dr. P. V. Abdurahiman of the Presidency College, Madras, delivered lectures. Sixteen teachers from various colleges affiliated to the University participated in the course.

12. Summer Course (Advanced) for Statisticians

The Indian Statistical Institute, Calcutta, accepted the invitation of the University to conduct the fourth Summer course for Statisticians in the University Department of Mathematics and Statistics, Trivandrum. Dr. (Miss) Aleyamma George, Professor of Statistics, was the Convener of the course. The course held from 4th May to 6th June, 1964. Thirty five university teachers and research fellows and a few representatives of the State Statistics Department and the University Department of Mathematics & Statistics attended the course.

13. Summer Institute of Biology

A Summer Institute of Biology for the benefit of university and college teachers was organised by the University from 9th June 1964 to 15th July, 1964. The institute was sponsored by the University Grants Commission with the financial and technical assistance of the United States Agency for International Development (U.S. A. I. D.). The institute aimed to provide a significant opportunity for teachers of colleges to find inspiration and stimulation of extended personal contact with other teachers in the field. Prof. A. Abraham, Head of the

Department of Botany and Dean, Faculty of Science, was the Director of the Institute and Dr. K. K. Nigam, Head of the University Department of Zoology, acted as the Joint Director.

The course was inaugurated by Shri Y. V. G. D., the Chancellor of the University. Fifty teachers of Botany and Zoology selected from the eight South Indian universities participated in the course. A number of outstanding Botanists and Zoologists gave lectures, demonstrations and practicals in the Institute which were of immense benefit to the participants to make their knowledge up-to-date in the life sciences and to initiate them to the methodology of research. Besides lectures and practicals, there were study tours to Coimbatore, Kozhikode, Vellore, Thiruvallur, Coimbatore and Pondicherry. There were a few popular lectures and entertainments. A few biological films were also shown.

The subsidiary forum was presided over by Shri R. Sankar, Vice-Chancellor of the University, at which various conferences were held to the participants.

A list of persons who attended the various symposia, conferences and seminars other than those referred to above as representatives of the University/Government/Managements of private colleges, is given below:-

| <i>Conference</i> | <i>Venue</i> | <i>Date</i> | <i>Delegate</i> | <i>Designation</i> |
|---|--------------|---------------|---|---|
| 17th Annual Conference of the Indian Society of Agricultural Statistics | Jaipur | January, 1964 | Dr. (Miss) A. George | Professor and Head of the University Department of Mathematics and Statistics, Trivandrum. |
| 26th International Congress of Orientalists | New Delhi | January, 1964 | 1. Dr. P. K. Narayana Pillai 2. Dr. V. I. Subramoniam 3. Dr. K. Raghavan Pillai 4. Dr. A. G. Krishna Warrier | Professor and Head of the University Department of Malayalam, Trivandrum. Reader, University Department of Tamil, Trivandrum. Curator, University Manuscripts Library, Trivandrum. Reader & Head of the University Department of Sanskrit, Trivandrum. |
| Conference of Honorary Directors of Extension Services | Bangalore | January, 1964 | Rev. Fr. Isidore M. Vadakkan | Principal, St. Joseph's Training College, Mannanam. |
| Conference of Co-ordinators of Extension Services | Bangalore | January, 1964 | Shri N. C. Mathew | Lecturer, St. Joseph's Training College, Mannanam. |
| Annual Conference of the Indian Academy of Paediatrics | Poona | January, 1964 | Dr. Omana Mathew | Professor, Medical College, Trivandrum. |

| Topic | Date | Referee | Institution |
|---|-----------------------|-----------------------------------|---|
| <p>Dr. M. Tharagana</p> <p>President, Medical College, Bangalore</p> | <p>January, 1968</p> | <p>Dr. M. Tharagana</p> | <p>President, Medical College, Bangalore</p> |
| <p>Dr. K. Mahadevan</p> <p>President, Medical College, Bangalore</p> | <p>February, 1968</p> | <p>Rev. Fr. Xavier Karampuzha</p> | <p>President, St. Albert's College, Ernakulam</p> |
| <p>Dr. K. Mahadevan</p> <p>President, Medical College, Bangalore</p> | <p>February, 1968</p> | <p>Dr. K. Mahadevan</p> | <p>President, Medical College, Bangalore</p> |
| <p>Dr. K. P. Joseph</p> <p>President, Medical College, Bangalore</p> | <p>February, 1968</p> | <p>Dr. K. P. Joseph</p> | <p>President, Medical College, Bangalore</p> |
| <p>Dr. Aiyappa Gokarna</p> <p>President, Medical College, Bangalore</p> | <p>February, 1968</p> | <p>Dr. Aiyappa Gokarna</p> | <p>President, Medical College, Bangalore</p> |
| <p>Dr. Betty Moses</p> <p>President, Medical College, Bangalore</p> | <p>February, 1968</p> | <p>Dr. Betty Moses</p> | <p>President, Medical College, Bangalore</p> |
| <p>Dr. O. K. Wani</p> <p>President, Medical College, Bangalore</p> | <p>February, 1968</p> | <p>Dr. O. K. Wani</p> | <p>President, Medical College, Bangalore</p> |

| <i>Conference</i> | <i>Venue</i> | <i>Date</i> | <i>Delegate</i> | <i>Designation</i> |
|---|----------------------|----------------|---|--|
| Annual Conference of the Indian Association for the Advancement of Medical Education | Madras | February, 1964 | Dr. R. Ananthanarayan | Principal, Medical College, Calicut. |
| Conference of Principals of Private Colleges that participated in the programme of Danforth Indian Fellowships (U.S.: A.) | Bombay } Madras } | March 1964 | Shri N. T. Madhavan Nambiar | Principal, Guruvayurappan College, Calicut. |
| Workshop Conference on Reproductive Biology | New Delhi | March, 1964 | Dr. K. K. Nayar | Reader and Head of the University Department of Zoology, Calicut. |
| Seminar on some aspects of Plankton Research - organised by the U.G.C. for advanced study in Marine Biology | Porto Novo | March, 1964 | 1. Dr. C. V. Kurian 2. Shri N. M. Shah 3. Shri K. P. Balakrishnan | Reader and Head of the University Department of Marine Biology and Oceanography, Ernakulam. Lecturers, University Department of Marine Biology and Oceanography, Ernakulam. |

| Faculty | Name | Rank | Degree | Position |
|---------------------|--------------------|--------------|--------------------|--|
| Faculty of Letters | L. S. A. Van Dusen | Prof. Lit. | L. S. A. Van Dusen | Professor of English, St. Mary's College, Madison |
| | St. Clement | St. Clement | St. Clement | Professor of English, St. Mary's College, Madison |
| | St. Clement | St. Clement | St. Clement | Lecturer in English, St. Mary's College, Madison |
| | St. P. K. G. | St. P. K. G. | St. P. K. G. | Lecturer in English, St. Mary's College, Madison |
| Faculty of Science | St. Clement | St. Clement | St. Clement | Lecturer in English, St. Mary's College, Madison |
| | St. Clement | St. Clement | St. Clement | Lecturer in English, St. Mary's College, Madison |
| Faculty of Medicine | St. Clement | St. Clement | St. Clement | Lecturer in English, St. Mary's College, Madison |
| | St. Clement | St. Clement | St. Clement | Lecturer in English, St. Mary's College, Madison |

| <i>Conference</i> | <i>Venue</i> | <i>Date</i> | <i>Delegate</i> | <i>Designation</i> |
|--|--------------|-------------|---------------------------------|--|
| 4th Southern Regional Health Ministers' Conference | Trivandrum | April, 1964 | 1. Dr. M. Thangavelu | Principal, Medical College, Trivandrum. |
| | | | 2. Dr. K. P. Joseph | Professor, Medical College, Trivandrum. |
| | | | 3. Dr. K. Madhavankutty | Professor, Medical College, Trivandrum. |
| | | | 4. Dr. R. Anantha- narayanan | Principal, Medical College, Calicut. |
| Conference, Seminar and Silver Jubilee Celebrations of the Entomological Society of India | New Delhi | April, 1964 | Dr. M. R. G. Nair | Professor, Agricultural College, Vellayani |
| Representative Principals Conference of the U. G. C. Seminar on English | New Delhi | May, 1964 | 1. Shri V. Gopalan Nair | Principal, Government College, Kasaragod. |
| Refresher Training Seminar in Soil Science and Agri- cultural Chemistry | New Delhi | May, 1964 | 2. Sr. M. Digna | Principal, St. Teresa's College, Ernakulam. |
| | | | Shri V. Gopalaswamy | Lecturer, Agricultural College, Vellayani. |

| Subject | Course | Days | Degree | Professor |
|------------------------|--------------|------------|---------------------------|---|
| Geology and Mineralogy | Regular | Sept. 1898 | Sci. B.S. | Lecturer in Geology, T. K. M. College of Forestry, Quincy. |
| Geology and Mineralogy | Honorary | Sept. 1898 | Sci. Certificate | St. Mary's College, Tucker. |
| Geology and Mineralogy | Professional | Sept. 1898 | L. S. B. N. P. University | Lecturer University Department of Marine Biology and Oceanography, Brooklyn |
| Geology and Mineralogy | Professional | Sept. 1898 | 2. Ph. D. Natural Phil. | Research Officer, Mineralogy Laboratory and Academy, Luzerneburg. |
| Geology and Mineralogy | Professional | Sept. 1898 | 1. Dr. N. P. Phil. | Professor and Head of the University Department of Education, Tennessee |
| Geology and Mineralogy | Professional | Sept. 1898 | 2. Ph. D. Natural Phil. | Principal, St. Joseph's Training Center, Minnesota |
| Geology and Mineralogy | Professional | Sept. 1898 | 1. Rev. Fr. T. P. Phil. | Principal, St. Joseph's Training Center, Pennsylvania |
| Geology and Mineralogy | Professional | Sept. 1898 | 2. Ph. D. Natural Phil. | Principal, St. Joseph's Training Center for Women, Brooklyn. |

| Country | Year | Date | Professor | Department |
|--|---------|------|--|--|
| Ministry of Agriculture and Forestry New Delhi | 1974-75 | 1974 | Shri M. N. Krishna Rao | Principal, Agracultural College, Tirunelveli. |
| Ministry of Agriculture New Delhi | 1974-75 | 1974 | Shri A. M. Thompson | Lecturer, Agracultural College, Vellore. |
| Ministry of Agriculture New Delhi | 1974-75 | 1974 | 1. Shri P. L. Daniel 2. Shri David Jayakar Dr. A. L. | Professor, Mar Athanasius College, Kottayam. Lecturer, Panna Christian College, Aligarh. |
| Ministry of Agriculture New Delhi | 1974-75 | 1974 | 1. Shri A. M. Thompson 2. Dr. K. P. George 3. Shri K. A. Sankar Dr. A. L. | Professor, St. Teresa's College, Ernakulam. Lecturer, Panna Christian College, Aligarh. Lecturer, P. M. S. College, Durgam. |
| Ministry of Agriculture New Delhi | 1974-75 | 1974 | 1. Shri A. M. Thompson 2. Shri N. Sankar Rao 3. Shri P. L. Daniel | Lecturer, Panna Christian College, Aligarh. Lecturer, Panna Christian College, Aligarh. Lecturer, P. M. S. College, Durgam. |

| <i>Conference</i> | <i>Venue</i> | <i>Date</i> | <i>Delegate</i> | <i>Designation</i> |
|---|-----------------|----------------|--|---|
| Engineering Summer School (Southern Region) | Coimbatore | June-July 1964 | 1. Shri R. Govinda Menon | Professor, N.S.S. College of Engineering, Palghat. |
| | | | 2. Shri M. R. Sreedharan Nair | Asst. Prof., College of Engg., Trichur. |
| | | | 3. Shri C.M. Neelakantan Namboodiripad | Lecturer, N.S.S. College of Engineering, Palghat. |
| Catholic Students Union Seminar | Changana-cherry | July, 1964 | St. Loretta | Lecturer, St. Joseph's College, Irinjalakuda. |
| Symposium on Science and Nation - organised by the Association of Scientific Workers of India | New Delhi | July, 1964 | 1. Dr. A. Abraham | Dean, Faculty of Science, University of Kerala. |
| | | | 2. Dr. C. K. N. Nair | Dean, Faculty of Agriculture, University of Kerala. (Principal, Agricultural College, Vellayani) |
| World Conference of Organisation of Teaching Profession | Bankok | July, 1964 | Rev. Fr. Xavier Kaniampurath | Principal, St. Albert's College, Ernakulam. |
| Short-term Specialist Course in Air Conditioning and Refrigeration | Roorkee | July, 1964 | Shri P. N. Hashim | Lecturer, T. K. M. College of Engineering, Quilon. |

| <i>Conference</i> | <i>Venue</i> | <i>Date</i> | <i>Delegate</i> | <i>Designation</i> |
|--|--------------|----------------|--------------------------------|--|
| Workshop on Post-graduate Studies in Hindi | Allahabad | October, 1964 | Shri A. Chandrahasan | Reader and Head of the University Department of Hindi, Ernakulam. |
| Seminar of the International Brain Research Organisation | New Delhi | October, 1964 | 1. Dr. K. R. Pandalai | Professor, Medical College, Trivandrum. |
| | | | 2. Dr. G. Santhakumari | Asst. Professor, do. |
| Kalidasa Samaroh | Ujjain | November, 1964 | Shri S. Venkatasubramonia Iyer | Lecturer, University Department of Sanskrit, Trivandrum. (Read a paper on 'Meghasandesha tradition in Kerala'). |
| Foreign Students Advisers Meeting | New Delhi | November, 1964 | Dr. E. I. George | Reader and Head of the University Department of Psychology, Trivandrum. (Foreign Students' Advisor to the University). |
| 9th Annual Conference of the All India Educational and Vocational Guidance Association | Calcutta | November, 1964 | Dr. N. P. Pillai | Professor and Head of the University Department of Education, Trivandrum. |

CHAPTER IX

RECOGNITION OF EXAMINATIONS AND DEGREES

1. The S.S.L.C. examination of Andhra Pradesh has been recognised as equivalent to the S.S.L.C. examination of the Kerala State for purposes of admission to a course of study in this University.
2. The High School Examination of the Board of High School and Intermediate Education, U. P., has been recognised as equivalent to the S.S.L.C Examination of the Kerala State.
3. The following examinations conducted by the Secondary Education Board, Bangalore, have been recognised as equivalent to the S.S L.C. Examination of the Kerala State:
 - (1) Mysore Secondary School Leaving Certificate Public Examination (New Scheme)
 - (2) Mysore Secondary School Certificate Examination (Bombay and Karnatak area)
 - (3) Mysore S.S.L.C. (Old Scheme)
 - (4) Bombay S.S.L.C. for Bombay-Karnatak area
 - (5) Madras S. S. L. C. for Madras-Karnatak area
 - (6) Hyderabad H.S.C. for Hyderabad-Karnatak area
 - (7) Common S.S.L.C. Examination (New Scheme) conducted at the end of Higher Secondary X Standard from May, 1963.
4. The Junior Technical School Certificate Examination conducted by the Government of Kerala has been recognised as equivalent to the S.S.L.C. Examination of the Kerala State for purposes of admission to the Pre-degree course.
5. The following French examinations have been recognised as equivalent to the examinations of this University noted against each:

| <i>French Examination</i> | <i>Corresponding Examination</i> |
|---|--|
| (i) Brevet D'Etudes Premiere Cycle (B.E.P.C.) and Brevet Elementaire (B.E.) | Matriculation /S.S.L.C. State Education Dept.) |
| (ii) Baccalaureat I | Higher Secondary/Pre-University |

- (b) *Baccalaureatus II* Interim year of the 3-year Degree Course (it is admission to the 2nd year of the 3-year Degree Course).
- (c) *Baccalaureatus II* with English as Second Language B. A. with French Language and Literature as main subjects.
- (d) *Propaedeutique Diploma* B. A. B. Sc.
- (e) *Licence en Lettres* M. A.
- (f) *Licence en Science* M. Sc.

6. The Ph. D. degree of the Papal Athenaeum, Rome, has been recognized as equivalent to the old Intermediate Examination of this University.
7. The D. D. degree of the Laetian University, Rome, has been recognized as equivalent to the Ph.D. degree Examination of this University.
8. The B. E. and M. E. degree examinations of the Italian Institute of Science have been recognized as equivalent to the B. Sc. (Happ.) and M. Sc. (Happ.) Degree examinations, respectively, of this University.
9. The following degree examinations of other Universities and graded institutions have been recognized on a reciprocal basis as equivalent to the degree examinations of this University, noted against each—

| Degree Examination of other University Recognized by this | Corresponding Degree Examination of this University |
|---|--|
| 1. <i>Ateneo University</i> B. Sc. (Agri.) (New Proposition) | B. Sc. (Agri.) |
| 2. <i>Ateneo University</i> (a) M. O. I. (b) M. E. (Mexico) | M. A. M. E. (Mexico) |
| 3. <i>Ateneo University</i> (a) B. A. (b) M. A. (Happ.) (c) B. Sc. (Happ.) (d) M. Sc. (Happ.) (e) M. Sc. (Happ.) | B. A. M. A. (Happ.) B. Sc. (Happ.) M. Sc. (Happ.) M. Sc. (Happ.) |

| <i>Degrees/Examinations of other Universities/ Recognised Institutions</i> | <i>Corresponding Degrees Examinations of this University</i> |
|--|--|
| (iv) M. Sc. in Electrical Machine Design | M. Sc. (Engg.) Electrical Machine Design |
| 4. <i>Bhagalpur University</i> | |
| (i) M. Com. | M. Com. |
| (ii) B. L. | B. L. |
| (iii) B. Sc. (Agri.) | B. Sc. (Agri.) |
| (iv) M. Sc. (Agri.) | M. Sc. (Agri.) |
| 5. <i>Bombay University</i> | |
| B. Ed. (New Scheme) | B. Ed. |
| 6. <i>Delhi University</i> | |
| B. Sc. (Honours) | B. Sc. (Pass) |
| 7. <i>Gujarat University</i> | |
| M. Sc. | M. Sc. |
| 8. <i>Indore University</i> | |
| (i) B. A., B. Com. (Two year and Three year) | B. A., B. Com. (Two year and Three year) |
| (ii) B. Sc. (Three Year) | B. Sc. (Three Year) |
| (iii) B. Sc. (Engg.) | B. Sc. (Engg.) |
| (iv) M. B. B. S. | M. B. B. S. |
| 9. <i>Jodhpur University</i> | |
| (i) Pre-University (Science and Commerce) | Pre-University |
| (ii) B. Sc., B. Com. | B. Sc., B. Com. |
| (iii) M. Sc., M. Com. | M. Sc., M. Com. |
| (iv) B. Ed. (Provided the medium of instruction and examination is English) | B. Ed. |
| 10. <i>Karnatak University</i> | |
| Pre-University | Pre-University |
| 11. <i>Kashi Vidyapeeth</i> | |
| Shastri Examination | B. A. Degree Examination |

| Degree / Examination / Other Certificates / Proposed Institutions | Country of Origin / Institution of Origin / Location |
|--|---|
| 12. Kutchakota University (a) B. Sc. (b) M. A. (History, Politics and Economics) (c) M. Sc. (Mathematics) (d) M. Ed. | B. Sc. M. A. - H-2, P-2, S-2 and H-3, S-3 M. Sc. (Mathematics) M. Ed. |
| 13. Mahatma University M. Ed. | M. Ed. |
| 14. Marjaly University Intermediate Science | Pre-graduate and Post-graduate in Medicine |
| 15. Mysore University B. Com. | B. Com. (Two Years) |
| 16. Omsa University of Agricultural Technology (a) B. Sc. (Agriculture) (b) B.V. Sc. and A. H. | Pre-graduate and Post-graduate B.V. Sc. |
| 17. Omsa University B. Ed. | B. Ed. |
| 18. Patna University Pre-University Education | University Degree, Certificate and Diploma |
| 19. Patna University (a) B. Ed. (b) M. Ed. | B. Ed. M. Ed. |
| 20. Patna University (a) Pre-University Education (b) B. A., B. Sc. (c) M. A. (English, Economics, History, Political Science, and Hindi) | University Degree, Certificate, B. A., B. Sc. M. A. (English, Economics, History, Political Science and Hindi) |
| (d) M. A. (Mathematics) (e) B. Ed. (f) M. Ed. (g) Pre-graduate Education (h) M. B. B. A. | M. Sc. (Mathematics) B. Ed. M. Ed. Pre-graduate and Post-graduate in Medicine M. B. B. A. |

| <i>Degrees/Examinations of other Universities/ Recognised Institutions</i> | <i>Corresponding Degrees/ Examinations of this University</i> |
|--|--|
| 21. Punjab University B. Sc. (Home Science) | B. Sc. (Home Science) |
| 22. Rangoon University (i) Intermediate (Science) (ii) M. B. B. S. | Pre-professional (Medicine) M. B. B. S. |
| 23. Shivaji University (i) Pre-professional Examination (ii) B. A., B. Sc., B. Com. (Three Year) (iii) M. A., M. Sc., M. Com. (iv) B. Ed. (v) LL. B. (vi) M. Ed. | Pre-professional Examination B. A., B. Sc., B. Com. (Three year) M. A., M. Sc., M. Com. B. Ed. B. L. M. Ed. |
| 24. Shri Venkateswara University M. B. B. S. | M. B. B. S. |
| 25. U. P. Agricultural University B. V. Sc. and A. H. | B. V. Sc. |
| 26. Utkal University (i) Pre-professional Examination (ii) B.A., B.Sc., B.Com. (Three Year) (iii) M.Com. | Pre-professional Examination subject to the condition that for purposes of admission to the Engineering degree course candidates should have taken Mathematics, Physics and Chemistry as optional subjects. B.A., B.Sc., B.Com. (Three Year) M.Com. |
| 27. Vallabhai Vidyapeeth B.Sc. | B.Sc. |
| 28. Vikram University (i) B.Sc. (Agri.) (ii) M.Sc. (Agri.) | B.Sc. (Agri.) M.Sc. (Agri.) |

Institutions recognised as Research Centres

The following institutions have been recognised as research centres for postgraduate research work leading to research degrees of the University :-

1. The Central Coffee Research Institute, Coimbatore, Mysore State
2. The Central Electro-Chemical Institute, Kharagpur
3. The Atomic Energy Establishment, Trombay, Bombay
4. The Rammohan Institute, Madras
5. The Central Institute of Industrial Technology, Bombay

Exemption from attendance certificate

Exemption granted to bona fide teachers

A statement showing the class and list of exemption was granted to bona fide teachers from the production of attendance certificate for the various University examinations is given below

| Exemption | Number of teachers exempted from production during the year 1953-54 |
|-----------------------|---|
| University Professors | 325 |
| B. A. | 419 |
| B. Sc. | 20 |
| M. A. | 153 |
| M. Sc. (Mathematics) | 7 |

Exemption granted to students

1. Exemption from the production of Attendance Certificate of students :-
- | |
|----|
| 20 |
|----|
2. Exemption from the production of attendance certificate :- Part II
- | |
|----|
| 22 |
|----|
- Sum of Exemption

CHAPTER X

EXAMINATIONS

The following examinations were held for the First time during the year under report :—

1. First Year Examination in Engineering (Three-Year Course)
2. Third Year Examination in Engineering (Five-year Integrated Course)
3. M. Sc. (Engineering) Previous
4. Certificate Examination in Linguistics
5. Adib-i-Fazil (Urdu) Entrance.

A consolidated statement of the results of the various examinations held during the year under report is given below :

| Examination | No. appeared | No. Passed | | | | Per- cent- age | |
|--|-----------------|------------|-------------|--------------|--------|----------------------|--|
| | | I Class | II Class | III Class | Total | | |
| January-1964 | | | | | | | |
| B. Sc. Degree Examination in Engineering | | | | | | | |
| Part I | 601 | 118 | 266 | ... | 384 | 63·8 | |
| Part II | 457 | 127 | 213 | ... | 340 | 74·4 | |
| Pre-professional (Transitory) | 215 | ... | ... | ... | 183 | 85·1 | |
| March-April, 1964 | | | | | | | |
| University Previous | 29,444 | 973 | 4,043 | 9,442 | 14,458 | 49·1 | |
| B. A. (Three-Year) | | | | | | | |
| Second Year Examination | | | | | | | |
| Part I | 2,895 | 3 | 78 | 1,246 | 1,327 | 45·8 | |
| Part II | 2,438 | 54 | 144 | 1,616 | 1,814 | 74·4 | |
| Part III | 2,370 | ... | ... | ... | 1,887 | 75·4 | |
| Final Year Examination | | | | | | | |
| Part IV | 1,666 | 32 | 254 | 994 | 1,280 | 76·8 | |
| M. A. (Previous) | 476 | ... | ... | ... | 374 | 78·5 | |
| M. A. (Final) | 404 | 27 | 154 | 165 | 346 | 85·6 | |
| B. Lib. Sc. | 25 | 3 | 12 | 10 | 25 | 100·0 | |

| Examinative | Number of Candidates | Number of Candidates | | | | Percentage passing |
|-----------------------------|-------------------------|----------------------|------------------|-------------------|------------------|-----------------------|
| | | Part I Class | Part II Class | Part III Class | Part IV Class | |
| March-April, 1964 | | | | | | |
| B. Sc. (Three-year) | | | | | | |
| Second Year Examination | | | | | | |
| Part I | 6,007 | 7 | 18% | 3,332 | 3,403 | 91.2 |
| Part II | 5,334 | 62 | 42% | 1,415 | 4,531 | 94.6 |
| Part III | 5,070 | — | — | — | 4,971 | 98.9 |
| Final Year Examination | | | | | | |
| Part IV | 5,330 | 572 | 1,173 | 1,009 | 1,972 | 90.4 |
| M. Sc. (Previous) | 300 | — | — | — | 300 | 93.1 |
| M. Sc. (Final) | 310 | 93 | 125 | 41 | 570 | 97.2 |
| B. Com. (Three-year) | | | | | | |
| Second Year Examination | | | | | | |
| Part I | 97 | 11 | 3 | 471 | 478 | 91.7 |
| Part II | 973 | 11 | 22 | 515 | 925 | 95.6 |
| Part III | — | — | — | — | — | — |
| Group 'A' | 70 | 1 | 1 | 1 | 69 | 91.3 |
| Final Year Examination | | | | | | |
| Part III | — | — | — | — | — | — |
| Group 'B' & 'C' | 673 | 11 | 106 | 231 | 600 | 91.2 |
| M. Com. (Previous) | 67 | 11 | 11 | 1 | 90 | 92.0 |
| M. Com. (Final) | 67 | 2 | 25 | 33 | 93 | 94.0 |
| M. S. W. (Previous) | 17 | — | — | — | 17 | 91.2 |
| M. S. W. (Final) | 12 | — | 12 | — | 12 | 100.0 |
| P. I | 86 | — | 17 | 67 | 103 | 94.6 |
| P. I | 229 | 1 | 5 | 171 | 332 | 97.7 |
| P. I & P. II | 2,377 | 1 | 148 | 2,031 | 2,556 | 94.1 |
| P. I & P. II & P. III | 2,498 | 1 | 156 | 1,927 | 2,582 | 96.5 |
| M. S. W. (Previous & Final) | 29 | 1 | 1 | — | 29 | 96.9 |
| First Year Examination | | | | | | |
| Part I | 1,367 | 14 | 136 | — | 1,517 | 93.5 |

(Part I Examination)

1964

| Examination | Number Appeared | Number | | Passed | | Per- cent- age |
|--|-----------------------|------------|-------------|--------------|-------|----------------------|
| | | I Class | II Class | III Class | Total | |
| March-April, 1964 | | | | | | |
| Second Year Examination in Engineering | 1,117 | 85 | 264 | .... | 349 | 35.1 |
| | (whole Examn. 992) | | | | | |
| Third Year Examination in Engineering | 835 | 112 | 295 | .... | 407 | 49.1 |
| First Year (Three-year Degree) Examination in Engineering | 87 | .... | 8 | 29 | 37 | 42.5 |
| M. Sc. (Engineering) | | | | | | |
| (i) Hydraulics, Irrigation and Flood Control | 10 | 4 | 5 | .... | 9 | 90.0 |
| (ii) Structural Engineering | 10 | 4 | 4 | ... | 8 | 80.0 |
| M. Sc. Engineering (Previous) | 34 | .... | ... | .... | 19 | 55.0 |
| First M. B. B. S. Part I | 432 | .... | .... | .... | 327 | 75.7 |
| Part II | 141 | .... | 105 | .... | 105 | 74.4 |
| Second M.B.B.S. Part I | 210 | ... | .... | .... | 150 | 71.4 |
| Part II | 245 | 2 | 225 | .... | 227 | 92.6 |
| Final M. B. B. S. Part I | 174 | .... | .... | .... | 101 | 58.0 |
| Part II | 134 | .... | 93 | .... | 93 | 69.4 |
| First B. D. S. | 28 | .... | .... | .... | 15 | 53.5 |
| Second B. D. S. | 34 | .... | .... | .... | 19 | 55.8 |
| Third B. D. S. | 14 | .... | .... | ... | 9 | 64.3 |
| Final B. D. S. | 17 | ... | .... | ... | 14 | 82.3 |
| B. Sc. (Agriculture) | | | | | | |
| First Year Examination | 56 | .... | ... | .... | 29 | 51.7 |
| Second Year Examination | 57 | ... | .... | ... | 47 | 82.4 |
| Third Year Examination | 60 | 3 | 31 | 16 | 50 | 83.3 |
| First B. V. Sc. | 52 | 2 | 24 | .... | 26 | 48.1 |
| Second B. V. Sc. | 37 | 3 | 19 | .... | 22 | 59.4 |
| Third B. V. Sc. (New Regulations) | 20 | 5 | 15 | | 20 | 100.0 |
| (Old Regulations) | 27 | | 19 | ... | 19 | 70.0 |
| Final B. V. Sc. | 59 | | 31 | | 31 | 54.2 |
| First B. A. M. | 34 | | | | 13 | 38.2 |

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| Examination | Number appeared | No. Failed | | | Total | Pass Percentage |
|---|--------------------|------------|-------------|--------------|-------|--------------------|
| | | I Class | II Class | III Class | | |
| March-April, 1964 | | | | | | |
| Second B. A. M. | 28 | | 10 | | 10 | 35.7 |
| Third B. A. M. | 4 | | 1 | | 1 | 25.0 |
| Fourth B. A. M. | 6 | | 2 | | 2 | 33.3 |
| First B. A. M. | 20 | | 7 | | 7 | 35.0 |
| Second D. A. M. | 1 | — | | | | |
| Third D. A. M. | 7 | — | | 1 | 1 | 14.2 |
| First D. A. M. | 25 | | 1 | 7 | 8 | 28.0 |
| Pre professional Examination | 424 | 106 | 127 | 67 | 301 | 71.0 |
| Diploma Examination in English | 24 | | 15 | | 15 | 62.5 |
| Diploma Examination in the Teaching of English | 27 | 2 | 10 | — | 12 | 44.4 |
| Diploma Examination in Social Service | 24 | — | | — | 22 | 91.6 |
| Certificate Examination in Linguistics | 14 | 4 | 4 | 1 | 9 | 64.2 |
| Valian Preliminary | | | | | | |
| Malayalam | 443 | — | | 175 | 15 | 35.4 |
| Tamil | 62 | | — | 11 | 11 | 17.7 |
| Sanskrit | 26 | — | 1 | 3 | 3 | 11.5 |
| Hindi | 255 | — | 1 | 99 | 100 | 39.2 |
| Kannada | 2 | 1 | | | 1 | 50.0 |
| Valian Total | | | | | | |
| Malayalam | 416 | — | 2 | 217 | 215 | 51.6 |
| Tamil | 12 | — | — | 2 | 2 | 16.6 |
| Sanskrit | 4 | — | 1 | 1 | 2 | 50.0 |
| Hindi | 229 | — | 1 | 174 | 175 | 76.4 |
| Kannada | 15 | 4 | 3 | 2 | 11 | 66.6 |
| Valian (B.A.) | | | | | | |
| Literature | 103 | — | — | — | 116 | 81.5 |
| Professional | 42 | 1 | 11 | 31 | 43 | 92.8 |
| Total | 39 | — | 4 | 25 | 27 | 69.2 |
| APN = Final (Under) Literature | 14 | — | — | | | 100 |

| Examination | No. appeared | No. | | | Passed | | Per- cent- age |
|-------------------------------|-----------------|------------|-------------|--------------|--------|------|----------------------|
| | | I Class | II Class | III Class | Total | | |
| May, 1964. | | | | | | | |
| B. Sc. Degree Examination in | | | | | | | |
| Engineering - Part I | 203 | 1 | 147 | ... | 148 | 72.9 | |
| Part II | 93 | 1 | 37 | ... | 38 | 40.8 | |
| June, 1964. | | | | | | | |
| M. L. | 10 | ... | ... | 2 | 2 | 20.0 | |
| Diploma Examination in | | | | | | | |
| Obstetrics and Gynaecology | 4 | ... | ... | ... | 3 | 75.0 | |
| July, 1964. | | | | | | | |
| Pre-professional (Transitory) | 96 | ... | ... | ... | 63 | 65.6 | |
| September-October, 1964. | | | | | | | |
| University Previous | 13,986 | 6 | 26 | 6,151 | 6,183 | 44.2 | |
| B. A. (Three-year) | | | | | | | |
| Second Year Examination | | | | | | | |
| Part I | 1,868 | ... | ... | 555 | 555 | 29.7 | |
| Part II | 708 | 7 | 16 | 534 | 557 | 78.5 | |
| Part III | 665 | ... | ... | ... | 405 | 60.9 | |
| Final Year Examination | | | | | | | |
| Part IV | 331 | 2 | 7 | 199 | 208 | 62.8 | |
| M. A. (Previous) | 62 | .... | .... | .... | 43 | 69.3 | |
| B. Sc. (Three year) | | | | | | | |
| Second Year Examination | | | | | | | |
| Part I | 4,118 | .... | 4 | 1,459 | 1,463 | 35.5 | |
| Part II | 1,026 | 3 | 8 | 741 | 752 | 73.3 | |
| Part III | 797 | .... | .... | .... | 538 | 67.5 | |
| Final year Examination | | | | | | | |
| Part IV | 1,315 | 9 | 69 | 387 | 465 | 35.3 | |
| M. Sc. (Previous) | 21 | ... | ... | ... | 7 | 33.3 | |
| B. Com. (Three year) | | | | | | | |
| Second Year Examination | | | | | | | |
| Part I | 478 | ... | ... | 175 | 175 | 36.6 | |
| Part II | 174 | 1 | 12 | 108 | 121 | 69.5 | |
| Part III | | | | | | | |
| Group 'A' | 152 | ... | ... | ... | 100 | 65.8 | |

| Form of Examination | No. Presented | No. Passed | | | Total Candidates | Per- centage Rate |
|--|------------------|------------|-------------|--------------|---------------------|-------------------------|
| | | I Class | II Class | III Class | | |
| September-October, 1964 | | | | | | |
| B. Com. | | | | | | |
| First Year Examination | | | | | | |
| Part III | | | | | | |
| Groups B & C | 191 | 5 | 103 | 108 | 98.4 | |
| M. Com. (Previous) | 1 | | | 5 | 50.0 | |
| E. L. | 119 | 1 | 47 | 41 | 34.4 | |
| H. L. | 76 | 2 | 34 | 35 | 31.6 | |
| H. Ed. (Written) | 116 | 1 | 103 | 105 | 91.4 | |
| First Year Examination in Engineering (whole Exam) | 450 | 13 | 11 | 13 | 17.8 | |
| Second Year Examination in Engineering (whole Exam) | 537 | 43 | | 45 | 21.1 | |
| Third year Examination in Engineering | 533 | 13 | | 11 | 5.2 | |
| whole Exams 1150 | | | | | | |
| First Year (Three-year Degree) | | | | | | |
| Examination in Engineering | 42 | 1 | 2 | 1 | 27.2 | |
| whole Exam 111 | | | | | | |
| B. Sc. (Apprentice) | | | | | | |
| First Year Examination | 24 | | | 10 | 41.7 | |
| Second Year Examination | 7 | | | 2 | 28.6 | |
| Third Year Examination | 10 | | 13 | 12 | 100.0 | |
| M. Sc. (Apprentice) | | | | | | |
| Previous | 24 | | | 27 | 112.5 | |
| Total | 24 | 13 | 3 | 21 | 87.5 | |
| First B. A. Sc. | 23 | 23 | | 23 | 100.0 | |
| Second B. A. Sc. | 21 | 21 | | 21 | 100.0 | |
| Third B. A. Sc. | 22 | 17 | | 15 | 68.2 | |
| Fourth B. A. Sc. | 43 | 32 | | 32 | 74.4 | |
| Programs (Previous Examination) | 133 | 3 | 25 | 37 | 65.4 | |

| Examination | Number appeared | No. Passed | | | Total | Per- cent- age | |
|----------------------------------|--------------------|------------|-------------|--------------|-------|----------------------|-------|
| | | I Class | II Class | III Class | | | |
| September-October 1964 | | | | | | | |
| Diploma Examination in German | 2 | 1 | ... | 1 | 2 | 100.0 | |
| Vidvan Preliminary | | | | | | | |
| Malayalam | 422 | .... | 2 | 246 | 248 | 58.8 | |
| Hindi | 99 | .... | .... | 53 | 53 | 53.5 | |
| Vidvan Final | | | | | | | |
| Malayalam | 403 | ... | ... | 146 | 146 | 36.0 | |
| Hindi | 319 | ... | 2 | 121 | 123 | 38.6 | |
| November-December, 1964 | | | | | | | |
| B. Sc. Degree Examination | | | | | | | |
| in Engineering | Part I | 60 | 1 | 18 | ... | 19 | 31.7 |
| | Part II | 477 | 128 | 283 | ... | 411 | 86.1 |
| First M. B. B. S. | Part I | 170 | ... | ... | ... | 94 | 55.3 |
| | Part II | 459 | 16 | 178 | ... | 194 | 42.2 |
| Second M. B. B. S | Part I | 349 | .... | .... | .... | 230 | 65.9 |
| | Part II | 172 | .... | 124 | .... | 124 | 72.0 |
| Final M. B. B. S. | Part I | 233 | .... | .... | .... | 141 | 60.5 |
| | Part II | 167 | .... | 83 | .... | 83 | 49.7 |
| First B. D. S | | 13 | ... | .... | .... | 8 | 61.5 |
| Second B. D. S. | | 25 | .... | .... | .... | 16 | 64.0 |
| Third B. D. S. | | 11 | ... | ... | ... | 9 | 81.8 |
| Final B. D. S. | | 24 | ... | ... | ... | 14 | 58.3 |
| First B. A. M. | | 17 | ... | ... | ... | 13 | 76.4 |
| Second B. A. M. | | 17 | ... | ... | ... | 9 | 52.9 |
| Third B. A. M. | | 3 | ... | ... | ... | ... | ... |
| Fourth B. A. M. | | 3 | ... | ... | ... | 2 | 66.6 |
| Final B. A. M. | | 14 | ... | 5 | ... | 5 | 35.7 |
| Second D. A. M. | | 1 | ... | ... | ... | 1 | 100.0 |
| Third D. A. M. | | 3 | ... | ... | ... | 2 | 66.6 |
| Final D. A. M. | | 15 | ... | ... | ... | 3 | 20.0 |
| Certificate Examination | | | | | | | |
| in German | | 14 | 4 | 4 | 1 | 9 | 64.3 |

CHAPTER XI

SCHOLARSHIPS, MEDALS AND PRIZES

The following Scholarships for the year 1964-65 were awarded during the year:-

1. University Merit Scholarships for the Pre-degree Course.
2. H. H. The Maharaja's Scholarships for the Pre-degree Course.
3. University Merit Scholarships for B. A., B. Sc., and B.Com. Degree Courses.
4. University Merit Scholarships for M. A., M. Sc., and M.Com. Degree Courses.
5. Endowment Scholarships.

A list of the students to whom such scholarships, medals and prizes were awarded during the year 1964 is given as Appendix A.

CHAPTER XII

CONVOCATIONS

The Thirty-ninth and the Fortieth Convocations of the University for conferring degrees were held during the year under report.

Thirty-ninth Convocation

Place : Convocation Hall, University Buildings, Trivandrum.

Date : 29th February, 1964

Shri R. Sankar, Pro-Chancellor of the University, presided.

| <i>Degrees conferred</i> | <i>In Person</i> | <i>In absentia</i> |
|-------------------------------------|------------------|--------------------|
| Master of Arts | 7 | 16 |
| Bachelor of Arts | 101 | 142 |
| Bachelor of Library Science | 1 | 2 |
| Doctor of Philosophy (Science) | 1 | .. |
| Master of Science | 7 | 23 |
| Bachelor of Science | 271 | 537 |
| Master of Arts (Oriental Studies) | 3 | 12 |
| Bachelor of Arts (Oriental Studies) | 13 | 26 |
| Master of Commerce | .. | 1 |
| Bachelor of Commerce | 21 | 84 |
| Bachelor of Education | 30 | 145 |
| Bachelor of Laws | 23 | 18 |
| Master of Science (Engineering) | .. | 6 |
| Bachelor of Science (Engineering) | 4 | 22 |
| Bachelor of Medicine & Surgery | 1 | 9 |
| Master of Science (Agriculture) | .. | 2 |
| Bachelor of Science (Agriculture) | .. | 7 |
| Bachelor of Veterinary Science | 8 | 7 |
| | 491 | 1,059 |

Fortieth Convocation

Place: Convocation Hall, University of Toronto, Toronto, Ontario

Dec 15th November, 1941.

Sudri V. V. Gini, *Chairman of the Executive Council*

| <i>Programs Offered</i> | <i>1960-61</i> | <i>1961-62</i> |
|-------------------------------------|----------------|----------------|
| Master of Arts | 41 | 41 |
| Master of Social Work | 4 | 3 |
| Bachelor of Arts (Honors) | | 4 |
| Bachelor of Arts | 191 | 212 |
| Bachelor of Library Science | 9 | 6 |
| Doctor of Philosophy (Number) | 1 | 4 |
| Master of Science | 11 | 114 |
| Bachelor of Science (Honors) | | 2 |
| Bachelor of Science | 616 | 2,356 |
| Master of Arts (Oriental Studies) | 11 | 11 |
| Bachelor of Arts (Oriental Studies) | 64 | 131 |
| Bachelor of Arts (Fine Arts) | 3 | 4 |
| Master of Commerce | 8 | 1 |
| Bachelor of Commerce | 63 | 244 |
| Master of Education | 3 | 7 |
| Bachelor of Education | 11 | 215 |
| Master of Laws | 1 | 1 |
| Bachelor of Laws | 7 | 1 |
| Master of Science (Engineering) | 3 | 11 |
| Bachelor of Science (Engineering) | 6 | 211 |
| Doctor of Medicine | 1 | 1 |
| Master of Surgery | 1 | 1 |
| Bachelor of Medicine & Surgery | 51 | 111 |
| Bachelor of Dentistry | 1 | 7 |
| Bachelor of Advanced Medicine | 4 | 11 |
| Master of Science (Agriculture) | 7 | 1 |
| Bachelor of Science (Agriculture) | 7 | 117 |
| Bachelor of Agriculture Science | 1 | 11 |
| Total | 1,416 | 4,071 |

$$x_1, x_2, \dots, x_n \text{ 是 } \mathbb{R}^n \text{ 中的 } n \text{ 个向量, } x_1, x_2, \dots, x_n \text{ 线性无关, 且 } x_1, x_2, \dots, x_n \text{ 是 } \mathbb{R}^n \text{ 的一组基.}$$
[illegible]

CHAPTER XIII

FINANCE AND ACCOUNTS

Contributions

Grants were paid to the Inter-University Board of India, the Association of the Universities of the British Commonwealth and a few other learned bodies and associations.

Grants to Hostels

A statement showing the maintenance grants paid to private hostels during the year 1964 is given below :-

| <i>Name of Hostel</i> | <i>Amount of grant paid</i> |
|---|-----------------------------|
| | Rs. |
| (i) Hostels attached to private Colleges | |
| 1. Union Christian College, Alwaye | 3,975.00 |
| 2. St. Berchmans' College, Changanacherry | 7,504.50 |
| 3. C. M. S. College, Kottayam | 1,776.00 |
| 4. Sanatana Dharma College, Alleppey | 709.50 |
| 5. Mahatma Gandhi College, Trivandrum | 1,860.00 |
| 6. Mar Ivanios College, Trivandrum | 4,521.00 |
| 7. Sree Narayana College, Quilon | 1,966.50 |
| 8. N. S. S. Hindu College, Changanacherry | 2,580.00 |
| 9. N. S. S. College, Pandalam | 2,260.50 |
| 10. St. Thomas College, Palai | 3,150.00 |
| 11. Fatima Mata National College, Quilon | 1,905.00 |
| 12. Nirmala College, Muvattupuzha | 1,348.50 |
| 13. Sree Sankara College, Kalady | 1,170.00 |
| 14. Christ College, Irinjalakuda | 4,014.00 |
| 15. Guruvayurappan College, Calicut | 3,004.50 |
| 16. Farook College, Feroke | 4,890.00 |
| 17. St. Albert's College, Ernakulam | 1,498.50 |
| 18. Sree Kerala Varma College, Trichur | 1,093.50 |
| 19. St. Thomas College, Trichur. | 1,680.00 |
| 20. Assumption College, Changanacherry | 2,490.00 |

| Name of Hostel | Income in Rs. |
|---|------------------|
| 21. N. S. S. College for Women, Tiruvandur | 1,125 00 |
| 22. St. Joseph's College for Women, Alappuzha | 1,250 00 |
| 23. Providence Women's College, Calicut | 3,125 00 |
| 24. Little Flower College, Guruvayur | 3,500 00 |
| 25. St. Teresa's College, Ernakulam | 3,500 00 |
| 26. St. Mary's College, Trichur | 1,500 00 |
| 27. St. Joseph's College, Dindigul | 1,500 00 |
| 28. Sacred Heart College, Thevara, Ernakulam | 2,000 00 |
| 29. N. S. S. Training College, Changanacherry | 1,250 00 |
| 30. St. Joseph's Training College, Mannanam | 750 00 |
| 31. T. K. M. College of Engineering, Quilon | 4,500 00 |
| (ii) Private Hostels | |
| 1. Louis Catholic Hostel, Tiruvandur | 1,250 00 |
| 2. L. M. S. Wills Hostel, Tiruvandur | 645 00 |
| 3. Y. M. C. A. Hostel, Tiruvandur | 750 00 |
| 4. Y. W. C. A. Hostel, Tiruvandur | 1,225 00 |
| 5. Nair Union Hostel Tiruvandur | 750 00 |
| 6. S. N. V. Sadanam, Tiruvandur | 500 00 |
| 7. Hostels Vanitha Sangam, Tiruvandur | 250 00 |
| 8. Hostels Mandram, Tiruvandur | 600 00 |
| 9. St. Anne's Hostel, Changanacherry | 500 00 |
| 10. Y. W. C. A. Hostel, Thevara | 150 00 |
| 11. Y. W. C. A. Hostel, Alappuzha | 500 00 |
| 12. Vimala's Hostel, Changanacherry | 1,500 00 |
| 13. S. N. V. Sadanam, Quilon | 500 00 |
| Total | 19,425 00 |

Note: 12 of the above are in Co-operative category and 13 are in Private category.

Land Revenue

The assessed property of the Government is situated in the following areas:—
 Government property is situated in the following areas:—

The following endowments were newly accepted during the year:—

| <i>Name of Endowment</i> | <i>Corpus amount</i> | <i>Donor</i> | <i>Purpose and to whom the award is to be made</i> |
|--|----------------------|--|---|
| | <i>Rs.</i> | | |
| 1. Prof. Chandrasahnan Prize Endowment | 2,500 | Prof. P. V. Krishnan Nair, Manikkiri Road, Ernakulam, on behalf of "The Prof. Chandrasahnan Endowment Committee" | To encourage the study of Hindi at the Post-graduate level. A prize is to be awarded annually to the candidate, who qualifies for the degree securing the highest number of marks in the M.A. Degree Examination in Hindi. |
| 2. Rabindranath Centenary Scholarship Endowment | 5,200 | The Calcutta Division Life Insurance Employees' Association, Hindustan Buildings, 4, Chittaranjan Avenue, Calcutta | To encourage the study of Bengali Literature in the University of Kerala. A scholarship is to be awarded every year to the candidate who secures the highest number of marks in Bengali under part II of the 3-years Degree course and who is continuing his studies to complete the degree course. |
| 3. Endowment instituted by the Government of West Bengal | 4,000 | The Government of West Bengal, Calcutta. | To encourage the study of Bengali in the University. A Prize is to be awarded annually to the candidate, who secures the highest number of marks in Bengali under part II from among the successful candidates at the B. A. / B. Sc. Degree |

2.

Dr. R. S. Srinivasan, Professor of Physics, Indian Institute of Technology, Madras

Dr. R. S. Srinivasan, Professor of Physics, Indian Institute of Technology, Madras

For the award of a prize to the candidate who secures the highest number of marks at the M.F. Degree Examination of the University, in the name of Sri R. Srinivasan, former Chief Minister of Kerala.

Dr. R. S. Srinivasan, Professor of Physics, Indian Institute of Technology, Madras

Dr. R. S. Srinivasan, Professor of Physics, Indian Institute of Technology, Madras

For the encouragement of the study of students in the University, who achieve the highest marks in the M.F. Degree Examination of the University, in the name of Sri R. Srinivasan, former Chief Minister of Kerala.

Dr. R. S. Srinivasan, Professor of Physics, Indian Institute of Technology, Madras

Dr. R. S. Srinivasan, Professor of Physics, Indian Institute of Technology, Madras

For the award of a prize to the candidate who secures the highest number of marks in the M.F. Degree Examination of the University, in the name of Sri R. Srinivasan, former Chief Minister of Kerala.

Finance

The financial year 1963-'64 opened with a fund balance of Rs. 52,08,948/-. The total receipts during the year under Government grants (including a grant of Rs. 30 lakhs from the State Government, Rs. 20,39,528/- from the University Grants Commission and Rs. 2,41,566/- from the Government of India), fees and miscellaneous accounts amounted to Rs. 1,15,50,078/-. The total expenditure during the year under the various heads came to Rs. 1,24,26,673/-. The closing balance for the year was Rs. 43,32,353/-.

UNIVERSITY BUILDINGS, }
Trivandrum, }
31st January, 1965. }

A. M. N. Chakiar

REGISTRAR

APPENDICES

APPENDIX I

List of Members of the reconstituted Senate
For a period of three years from 2nd Jan., 1961

CLASS I - EX OFFICIO MEMBERS

- 1 **SRI V. V. GUN,**
 Chancellor of the University &
 Governor of Kerala,
 Raj Bhavan, Thiruvananthapuram
- 2 **SRI R. SARKAR,**
 Pro-Chancellor of the University &
 C. of Ministers,
 Kerala State, Thiruvananthapuram
- 3 **SRI SAMUEL MATHIAS,**
 Vice-Chancellor,
 University of Kerala, Thiruvananthapuram
- 4 **SRI A. ABRAHAM,**
 Professor & Head of the
 Department of Physics,
 University of Kerala, Thiruvananthapuram
- 5 **SRI ALPHEUS GUNDELL,**
 Professor & Head of the Department
 of Mathematics and Statistics,
 University of Kerala, Thiruvananthapuram
- 6 **SRI R. ARUNACHALAN,**
 Professor & Head of the
 Department of Chemistry,
 University of Kerala, Thiruvananthapuram
- 7 **SRI A. CHANDRASEKHAR,**
 Professor & Head of the
 Department of History,
 University of Kerala,
 Thiruvananthapuram

- 8 Shri E. I. George,
 Reader & Head of the
 Department of Psychology,
 University of Kerala, Trivandrum.
- 9 Shri K. A. Isaac,
 Reader & Head of the
 Department of Library Science,
 University Library, Trivandrum.
- 10 Shri P. K. Karunakara Menon,
 Reader & Head of the Department
 of Indian History & Culture,
 University Centre,
 Guruvayurappan College, Calicut.
- 11 Shri A. G. Krishna Warriar,
 Reader & Head of the
 Department of Sanskrit,
 University of Kerala, Trivandrum.
- 12 Shri K. Kunjunni Menon,
 Reader & Head of the
 Department of Geology,
 University of Kerala, Trivandrum.
- 13 Shri C. V. Kurien,
 Reader & Head of the Department
 of Marine Biology & Fisheries,
 Oceanographic Laboratory,
 Fore-shore Road, Ernakulam.
- 14 Shri A. T. Markose,
 Professor & Head of the
 Department of Law,
 University Centre,
 Hospital Road, Ernakulam.
- 15 Shri P. K. Narayana Pillai,
 Professor & Head of the
 Department of Malayalam,
 University of Kerala, Trivandrum.

16. **Sri K. K. Nayar,**
Reader & Head of the
Department of Zoology,
University Centre,
St. Joseph's College, Calicut.
17. **Sri N. P. Pillai,**
Professor & Head of the
Department of Education,
University of Kerala,
Thiruvananthapuram.
18. **Sri V. R. Pillai,**
Professor & Head of the
Department of Economics,
University of Kerala, Thiruvananthapuram.
19. **Sri V. I. Subramaniam,**
Reader & Head of the Department
of Linguistics and Tamil,
University of Kerala, Thiruvananthapuram.
20. **Sri V. K. Subramanian Nair,**
Reader & Head of the
Department of Politics,
University of Kerala, Thiruvananthapuram.
21. **Sri K. Vasudevan Nair,**
Professor & Head of the
Department of English,
University Centre,
St. Joseph's College, Alwayar.
22. **Sri M. S. Velayudhan,**
Chief Librarian,
H. J. College of Kerala, Thiruvananthapuram.
23. **Sri P. A. Varghese,**
Secretary to the Institute
of Management Studies,
Government of Kerala, Thiruvananthapuram.

- 24 Shri C. Thomas,
 Secretary to Government,
 Finance Department,
 Government of Kerala, Trivandrum.
- 25 Shri P. K. Umashankar,
 Director of Public Instruction,
 Trivandrum.
- 26 Shri K. M. Pandalai,
 Director, Central Coconut Research Station,
 Kasaragod.
- 27 Shri A. N. Bose,
 Director, Central Institute of Fishery Technology,
 Chittur Road, Ernakulam.
- 28 Shri D. Srinivasan,
 Principal Scientific Officer,
 Indian Naval Physical Laboratory,
 Naval Base, Cochin.
- 29 Shri S. B. Lal,
 Director, Central Coconut Research Station,
 Kayamkulam.
- 30 Shri S. Rajaraman,
 Director of Technical Education,
 Trivandrum.
- 31 Shri G. N. Balasubramoniam,
 Dean, Faculty of Fine Arts &
 Principal, S. S. T. College of Music,
 Trivandrum.
- 32 Shri K. C. Chacko,
 Dean, Faculty of Engineering, &
 Principal, College of Engineering,
 Trivandrum.

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33. **Shri M. George,**
Dean, Faculty of Law & Principal,
Law College, Tiruvandur
34. **Shri C. O. Kumbakuram,**
Dean, Faculty of Medicine,
Vellore Vellore, Kumbakuram,
Tiruvandur
35. **Shri Kerala Varma,**
Dean, Faculty of Commerce, &
Professor of Commerce,
Sacred Heart College,
Thevara, Tiruvallur
36. **Shri M. N. Kesava Pillai,**
Dean, Faculty of Ayurveda, &
Principal, Ayurveda College,
Tiruvandur.
37. **Shri C. K. N. Nair,**
Dean, Faculty of Agriculture, &
Principal, Agricultural College,
Vellayam, Tiruvandur
38. **Shri C. T. Peter,**
Dean, Faculty of Veterinary Science, &
Principal, Kerala Veterinary College,
Mangalore, Travancore
39. **Shri P. A. Abraham,**
Principal,
Kannada Patha Vidyalaya College, Quilon
40. **Shri A. V. Anandaraman,**
Principal,
Sri Lanka Patha Vidyalaya College, Angamaly
41. **Shri J. Alexander,**
Principal,
Kannada Patha Vidyalaya College, Puthanadu

- 42 Shri R. Ananthanarayan,
 Principal, Medical College,
 Calicut.
- 43 Sr. M. Annunciata,
 Principal, St. Mary's College,
 Trichur.
- 44 Rev. S. H. Antony,
 Principal, St. Joseph's College,
 Devagiri, Calicut.
- 45 Shri G. Balakrishna Pillai,
 Principal, N. S. S. College,
 Pandalam.
- 46 Shri K. Balarama Panicker,
 Principal, Sanskrit College,
 Trivandrum.
- 47 Shri A. Cheriyan,
 Principal,
 Peet Memorial Training College,
 Mavelikara.
- 48 Shri A. J. Cheriyan,
 Principal, St. Thomas College,
 Kozhencherry.
- 49 Sr. M. Crucifixa,
 Principal,
 Mount Carmel Training College,
 Kottayam.
- 50 Shri C. C. David,
 Principal,
 Government Brennen College,
 Dharmadam, Tellicherry.
- 51 Sr. M. Digna,
 Principal, St. Teresa's College,
 Ernakulam.

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2. Mr. J. M. L. L. L. L.,
Principal,
Providence Women's College,
Canton
3. Mr. C. M. L. L. L.,
Principal, Medical College,
Kottayam
4. Rev. Dr. L. L. L. L. L.,
Principal, St. Peter's College,
Changanacherry
5. Rev. Dr. A. L. L. L.,
Principal, Christ College,
Trichy
6. Rev. Dr. George L. L. L.,
Principal, Mission College,
Trichy
7. Rev. Dr. C. M. L. L.,
Principal,
Fatima Mission College,
Quilon
8. Mr. L. C. L. L.,
Principal, College of Engineering,
Trichy
9. Mr. M. L. L. L. L.,
Principal, N. S. S. L. L. L.,
Changanacherry
10. Mr. A. L. L. L. L.,
Principal, Government College,
A. L. L. L., Trichy
11. Mr. L. L. L. L. L.,
Principal,
N. S. S. L. L. L.,
Trichy

- 62 Shri K. P. Govindan,
 Principal, Sree Narayana Training College,
 Nedumganda.
- 63 Rev. Isidore M. Vadakan, C. M. I.,
 Principal,
 St. Joseph's Training College,
 Mannanam.
- 64 Shri K. A. Jaleel,
 Principal, Farook College,
 Feroke.
- 65 Rev. Fr. Joseph Kureethadam,
 Principal, St. Thomas College,
 Palai.
- 66 Shri P. C. Joseph,
 Principal, C. M. S. College,
 Kottayam.
- 67 Rev. Fr. Joseph Puthenkalam, S. J.,
 Principal,
 Loyola College of Social Sciences,
 Cheruvikkal, Trivandrum.
- 68 Rev. Fr. T. T. Joseph,
 Principal,
 St. Thomas Training College,
 Palai.
- 69 Rev. Fr. Jos Mathew,
 Principal,
 Mar Theophilus Training College,
 Trivandrum.
- 70 Shri M. V. Kesava Rao,
 Principal,
 Regional Engineering College,
 Calicut.

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71. **Sri C. Krishna Das,**
Principal, N.S.S. Training College,
Pandalam.
72. **Sri P. Kuttiamman Nayar,**
Principal, N.S.S. Training College,
Ottapalam.
73. **Smt. Lily Kuttan,**
Principal, St. Joseph Training
College for Women,
Irattalcheri.
74. **Sri K. Mathaya Menon,**
Principal, Government College,
Madappally,
Tal. Badapada.
75. **Sri B. T. Mathayan Sambhar,**
Principal, Government College,
Calicut.
76. **Sri R. Mathaya Rao,**
Principal, St. Nicholas College,
Changanassery.
77. **Sri M. P. Mathurajan,**
Principal, Mar Thoma College,
Thiruvananthapuram.
78. **Sri M. M. Mathur,**
Principal, St. Ignace College,
Changanassery.
79. **Sri M. M. Mathur,**
Principal, St. Ignace College,
Changanassery.

- 80 Shri P. M. Mathai,
 Principal,
 Union Christian College,
 Alwaye.
- 81 Shri O. A. Mathew,
 Principal,
 Mar Athanasius College of Engineering.
 Kothamangalam.
- 82 Shri V. S. Nair,
 Principal,
 N. S. S. College of Engineering,
 Palghat.
- 83 Shri A. S. Narayana Pillai,
 Principal, Government College,
 Chittur—Cochin.
- 84 Shri N. S. Warriar,
 Principal,
 University College, Trivandrum.
- 85 Mother Olive Rodrigues,
 Principal,
 St. Joseph's College for Women,
 Alleppey.
- 86 Shri T. Paul Verghese,
 Principal,
 Government Training College,
 Trivandrum.
- 87 Shri V. G. M. Pavamani,
 Principal,
 Malabar Christian College,
 Calicut

- 88 Shri P. S. Raghavan,
Principal,
Government Victoria College,
Palghat.
- 89 Shri T. K. Ramachandra Ayyar,
Principal,
Government Sanskrit College,
Tripunithura.
- 90 Shri K. R. Ramakrishnan,
Principal,
Government Training College,
Calicut.
- 91 Shri V. P. Kannan Nair,
Principal,
Sree Kerala Varma College,
Trichur.
- 92 Shri R. Sankaradatan Thampi,
Principal,
Law College, Ernakulam.
- 93 Smt. I. K. Saetha,
Principal,
Sree Narayana College for Women,
Ottom.
- 94 Smt. C. Sankardeviya,
Principal,
N. S. S. College for Women,
Thiruvananthapuram.
- 95 Sr. M. Sarda,
Principal,
Bishop Chelodiparambil Memorial College,
Kottayam.
- 96 Mrs. C. A. Sankardeviya,
Principal,
Sree Sakthi College,
Kottayam.

- 97 Shri M. Sreenivasan,
 Principal,
 Sree Narayana College,
 Quilon.
- 98 Shri T. K. Subramaniam,
 Principal,
 Farook Training College,
 Feroke.
- 99 Shri Sukumar Azhicode,
 Principal,
 S. N. M. Training College,
 Moothakunnam, N. Parur.
- 100 Smt. N. Sumathykutty Amma,
 Principal,
 N. S. S. Training College,
 Changanacherry.
- 101 Shri M. Thangavelu,
 Principal,
 Medical College, Trivandrum.
- 102 Rev. Fr. Thomas Moothedan,
 Principal,
 St. Thomas College, Trichur.
- 103 Rev. Fr. Thomas Nedumkallel,
 Principal,
 Nirmala College, Muvattupuzha.
- 104 Shri P. T. Thomas,
 Principal,
 Titus II Teachers' College, Thiruvalla.
- 105 Rev. T. C. Thomas,
 Principal,
 Mar Thoma College, Thiruvalla.
- 106 Kumari M. Varughese,
 Principal,
 Government Training College, Tellicherry.

ANNUAL REPORT FOR THE YEAR 1971-72

107. Sri M. P. Varghese,
Principal,
Mar Athanasios College, Kottamangalam
108. Sri P. S. Velayuthan,
Principal,
Maharaja's College, Tiruvallur
109. Sri Vincent Muthy,
Principal,
Mount Taber Training College, Pattanamparam
110. Rev. Fr. Xavier Karlamparamb,
Principal,
St. Albert's College, Tiruvallur
111. Sri M. K. Abdul Hamid,
Principal,
The Raj Kumar Mahila College of Education,
Kandole, Qadon
112. The Principal,
T. D. Medical College, Alappuzha
113. The Principal,
College for Women, Tiruvallur
114. The Principal,
Sacred Heart College, Thiruvallur, Tiruvallur
115. The Principal,
Government Training College, Tiruvallur
116. Sri A. Narayana Pillai,
Principal,
Tamil Nadu College, Tiruvallur

CLASS II - ELECTED MEMBERS**By the Registered Graduates**

- 117 Shri P. S. George,
Advocate,
Kalleekal Plamoottil, Thiruvalla.
- 118 Shri C. Z. Scaria,
Lecturer,
St. Berchmans' College, Changanacherry.
- 119 Shri K. Velayudhan Nair,
Advocate, Ernakulam.
- 120 Rev. Fr. C. T. Kottaram,
Headmaster, St. Michael's High School,
Pravithanam P. O.,
Kottayam District.
- 121 Shri P. Unnikrishna Pillai,
Nedumpreth House
Thodiyoor P. O., Karunagappally.
- 122 Shri R. Sukumara Panikkar,
Assistant Professor &
Head of the Department of Physics,
N. S. S. College of Engineering, Palghat.
- 123 Shri P. V. Ulahannan,
Professor of Malayalam,
St. Berchmans' College, Changanacherry.
- 124 Shri P. Kunjikirishnan,
Lecturer,
Maharaja's College, Ernakulam.
- 125 Shri N. Narayanan Nayar,
Advocate,
Kanankara House, West Vanchiyoar,
Trivandrum.

126. Sri P. K. Marik,
Professor of Chemistry,
St. Thomas College, Palay.
127. Sri T. Joseph,
Lecturer,
Puthuppalayal, Kuthalvelara, Marathappalam.
128. Sri M. Anaraman Nayar,
Medical Practitioner,
Sree Rama Clinic,
Palace Road, Quilon.
129. Sri P. Krishnan Nayar,
Retd. Joint Registrar
of Co-operative Societies,
Near Mascot Hotel,
Thiruvananthapuram.
130. Sri K. P. Karunakaran Nayar,
Managing Director,
Mahabai Properties, Ltd.,
Keratty, Cochin.
131. Sri K. Nandan Kumar,
Lecturer,
C. M. S. College, Kottayam.
132. Sri S. Suresh Kumar,
Practitioner of Law,
Sree Narayana College,
Quilon.

To the Members of the Legislative Assembly

133. Sri K. Pragasam,
Member, Legislative Assembly,
K. J. Somaiyasa and Sons Co., Ltd.,
Kottayam.

- 134 Shri E. P. Eapen,
Member, Legislative Assembly,
Pattom, Trivandrum.
- 135 Shri Malethu Gopinatha Pillai,
Member, Legislative Assembly,
Edayarannmula P. O.
- 136 Shri A. L. Jacob,
Member, Legislative Assembly,
Chittur Road, Ernakulam.
- 137 Shri M. Moideenkutty Hajee,
Member, Legislative Assembly,
Annara, Tirur P. O.
- 138 Shri O. T. Sarada Krishnan,
Member, Legislative Assembly,
Sarat Nivas,
Chalapuram, Kozhikode.

By the Teaching Staff of Colleges Affiliated to the University
(Teachers in Arts)

- 139 Shri V. R. Subramoniam,
Lecturer in English,
St. Thomas College,
Trichur.
- 140 Shri V. S. Ouseph,
Lecturer in Economics,
Mar Ivanios College,
Trivandrum.
- 141 Shri G. Kumara Pillai,
Lecturer in English,
University College,
Trivandrum.

142. **Shri N. Chandrasekharendra Siva,**
Professor of Physics,
S. S. S. Hindu College,
Changanacherry.
143. **Shri C. V. Chettyar,**
Lecturer in History,
C. M. S. College,
Kottayam.

(See Section in Schedule)

144. **Shri T. T. Chacko,**
Professor of Chemistry,
St. Bernard's College,
Changanacherry.
145. **Shri P. K. Krishnan Nambiar,**
Lecturer in History,
Maharaja's College,
Tiruvananthapuram.
146. **Shri P. K. G. Panchavanam,**
Professor of Physics,
Sree Narayana College,
Quilon.
147. **Shri R. Narayana Kurian,**
Lecturer in Physics,
S. S. S. College,
Pondicherry.
148. **Shri I. G. Pambian Perambal,**
Lecturer in Mathematics,
Government College,
Chennai.

(See Section in Schedule in Part II)

149. **Shri M. M. Pillai,**
Chief Lecturer in English,
St. Xavier's College,
Pondicherry.

- 165 Shri M. Abootty,
Municipal Councillor,
Advocate,
Tellicherry.
- 166 Smt. S. Ratnakala,
Municipal Councillor,
Panthiyil House,
Ernakulam.
- 167 Shri P. Ravindran Nair,
Municipal Councillor,
Accountant,
Perunnai, Changanacherry.
- 168 Shri M. Kumaran,
Municipal Councillor,
Political Worker, Communist Party Office,
Badagara.
- 169 Shri N. N. Ramachandran,
Municipal Councillor,
Chartered Accountant,
Single Street, Nurani, Palghat.
- 170 Shri K. Divakaran,
Municipal Councillor,
Santhalayam,
Pattathanam, Quilon.
- 171 Shri C. I. Cheru,
Municipal Councillor,
Journalist, Kanipayyoor,
Kunnamkulam.
- 172 Shri J. Jessiah,
Municipal Councillor,
Vakil, Vlangamuri Ward,
Neyyattinkara.

By the Members of Panchayat.

- | | |
|-----|--|
| 173 | Sri Varghese, Member, Perumattom Panchayat, Perumattom P. O., Thiruvalla. |
| 174 | Sri Kuriantha, Member, Kizhar-Kandulam Panchayat, Kizarur P. O., Hondarj. |
| 175 | Sri Mattal, Member, Maravannat Panchayat, Maravannat P. O., |
| 176 | Sri Joseph, Member, Arpoolara Panchayat, Arpoolara P. O., Kottayam. |
| 177 | Sri Ibrahim, Member, Ariande Panchayat, Ariande P. O., Tirad, Kottayam. |
| 178 | Sri K. P. Narayana Menon, President, Sreevastha Panchayat, Sreevastha P. O., |
| 179 | Sri Kesavaiah, Member, East Kadutha Panchayat, East Kadutha. |
| 180 | Sri Abdul Gaffoor Sahib, Member, Chakkala Panchayat, Chakkala. |
| 181 | Sri P. Pappan Nair, Member, Padinjath Panchayat, Padinjath P. O., |

By the Heads of Recognised High Schools in the State

- 182 Shri N. Gopala Kurup,
Headmaster, N.S.S. High School,
Chingavanam, Kuzhimattom P. O.,
Kottayam.
- 183 Rev. Fr. Kuriakose Mialil,
Headmaster, S. H. Mount High School,
Kottayam.
- 184 Shri P. M. Cherian Tharakan,
Headmaster,
St. John's Model High School,
Nalanchira, Trivandrum.
- 185 Shri M. S. Gopalan Nair,
Headmaster, St. George's High School,
Aruvithura, Erattupetta P. O.

By The Registered Trade Unions in the State

- 186 Shri P. Gangadharan,
President,
The Cochin Port Cargo Labour Union,
Cochin.
- 187 Vacant.

CLASS III - LIFE MEMBERS

- 188 Rajyasevanirata
Shri Chattanatha Karayalar,
Trivandrum.
- 189 Shri P. Eapen Thomas,
Palampadom,
Kottayam.
- 190 Shri A. V. Thomas,
Beach Road,
Alleppey.

191. Sri K. V. Thomas,
Managing Proprietor,
Travancore Wood Works,
Mundakayam
192. Sri P. R. Parameswara Pillai,
Retd. Pro-Vice-Chancellor,
University of Travancore,
Thiruvananthapuram.

CLASS IV - OTHER MEMBERS

(Representatives of the Chamber of Commerce)

193. Sri Achuthan Pillai,
Vice-President, Indian Chamber of Commerce,
Cochin.
194. Sri P. P. Hridaya Koya,
Minister, Cochin Port,
Cochin.
195. Sri S. V. Parida,
Cartographer,
Thiruvananthapuram.

(Representatives of Industries)

196. Sri A. K. Kesavaiah,
Managing Director,
Western India Electricals,
Pimpri-Chinchwad P. O., Cochin.
197. Sri M. K. B. Nair,
Managing Director,
I. A. C. Ltd.,
Changanassery P. O., Cochin.

(Representatives of Educational Institutions)

198. Sri A. N. S. Varma,
I.A.M. School, Changanassery,
Thiruvananthapuram.

199 Shri Malloor K. Govinda Pillai,
Rtd. Law College Principal & Advocate,
Trivandrum.

200 Shri Henry Austin,
Advocate, Ram Mohan Palace Road,
Ernakulam.

(Representatives of Authors)

201 Shri N. Gopala Pillai,
Retd. Principal, Sanskrit College,
Trivandrum.

202 Shri E. M. Kovoov,
Retd. Sessions Judge,
Kuttapuzha P. O.,
Thiruvalla.

(General)

203 Shri A. N. Thampi,
Retd. Director of Public Instruction & Chairman,
Advisory Board for Education,
Thycaud, Trivandrum.

204 Shri Jacob Chandy,
Professor of Surgery,
Christian Medical College,
Vellore.

APPENDIX II

AMENDMENTS TO THE STATUTES

De fact. Any amendments have been made to the Statutes of the University during the year 1914-15.

1. That in Chapter XV - Faculty of Engineering - of the Statutes of the University the following be added for the purpose of Section 4.

4. (1) A candidate for registration for the Degree of Ph.D. in the Faculty of Engineering must have obtained for the Degree of Master of Science in Engineering of this University, or of any other University recognized by the University, a certificate of registration.

(2) A candidate for the Ph.D. Degree must, before registration, produce a certificate from a recognized engineering institution of the University, stating that the candidate has completed a diploma or certificate in engineering, or a certificate of registration with a view to the Ph.D. Degree, and that the candidate is qualified to take the responsibility of supervising the work of the candidate. The above certificate shall be issued by the Faculty of Engineering of the University or by the Ph.D. candidate's previous employer, and shall be in the form of the following certificate.

(3) A candidate, who has obtained a certificate of registration, shall be entitled to register as a candidate for the Ph.D. Degree in Engineering of the University, and shall be entitled to take the Ph.D. Degree in Engineering of the University.

De fact. Any amendments have been made to the Statutes of the University during the year 1914-15.

(4) If any candidate who has obtained a certificate of registration for the Ph.D. Degree in Engineering of the University, and who has obtained a certificate of registration, shall be entitled to take the Ph.D. Degree in Engineering of the University, and shall be entitled to take the Ph.D. Degree in Engineering of the University.

Any candidate who has obtained a certificate of registration for the Ph.D. Degree in Engineering of the University, and who has obtained a certificate of registration, shall be entitled to take the Ph.D. Degree in Engineering of the University, and shall be entitled to take the Ph.D. Degree in Engineering of the University.

(vi) Not later than one calendar year before the date when he proposes to enter for the examination, the student must submit the title of his thesis for approval by the University. After the title of the thesis has been approved, it may not be changed except with the permission of the University.

(vii) On completing his course of study every candidate must submit a thesis which embodies the result of his research and observation and which must form a distinct contribution to the knowledge of the subject and afford evidence of originality shown either by the discovery of new facts or by the exercise of independent critical power.

(viii) The Degree will not be conferred upon a candidate unless the examiners certify that the thesis is worthy of publication as a "Thesis approved for the Degree of Doctor of Philosophy (Engineering) in the University of Kerala".

(ix) An abstract of the thesis comprising not more than 300 words shall be included in each copy of the thesis submitted to the University.

(x) A candidate will not be permitted to submit as his thesis a thesis for which a Degree has been conferred on him in this or in any other University but a candidate shall not be precluded from incorporating work which he has already submitted for a degree in this or in any other University in a thesis covering a wider field, provided that he shall indicate in his form of entry and also in his thesis any work which has been so incorporated.

(xi) Every candidate must apply to the Registrar for a form of entry, which must be returned duly completed and accompanied by four copies of his thesis printed or typewritten together with an entry fee of Rs. 200/- and a certificate of having completed the course of study prescribed in his case.

(xii) The candidate may submit as subsidiary matter in support of his candidature any printed contribution or contributions to the advancement of his subject which he may have published independently or conjointly. In the event of a candidate submitting such subsidiary matter he will be required to state fully his own share in any conjoint work.

(xiii) After the examiners have read the thesis they may, if they think fit, and without further test, recommend that the candidate be rejected.

(14) If the there is a language the grammar of all of whose words can be derived from a finite set of words, and if there is a procedure for determining whether or not a given word can be derived from a finite set of words, then there is a procedure for determining whether or not a given word can be derived from a finite set of words.

100. If the thesis is a legend but the candidate fails to pass it, the examiners at the oral, practical or written examination shall have discretion thereon, the examiners may, upon consultation with the University, require that the candidate be permitted to re-examine the same thesis, and submit a further oral, practical or written examination within a period not exceeding one year specified by them, and to be successful, if the University adopt the recommendation of the examiners, shall be half the fee originally paid.

(2) If the test, though inadequate, still seems to be worth the cost, such action the examination may require of the University that the candidate be permitted to re-examine in a second form within a given number from the beginning of the University with regard thereto and the fees are to be paid by the University and, with recommendation, shall be the responsibility of the University. Examiners shall not, however, make a recommendation without submitting the candidate to an oral examination.

(1) Each report of the case manager shall be submitted to the District Court by the candidate for election to the District Court as of any date after the date of the filing of the nomination of the candidate for election to the District Court.

1995. 1996. 1997. 1998. 1999. 2000. 2001. 2002. 2003. 2004. 2005. 2006. 2007. 2008. 2009. 2010. 2011. 2012. 2013. 2014. 2015. 2016. 2017. 2018. 2019. 2020. 2021. 2022. 2023. 2024. 2025. 2026. 2027. 2028. 2029. 2030. 2031. 2032. 2033. 2034. 2035. 2036. 2037. 2038. 2039. 2040. 2041. 2042. 2043. 2044. 2045. 2046. 2047. 2048. 2049. 2050. 2051. 2052. 2053. 2054. 2055. 2056. 2057. 2058. 2059. 2060. 2061. 2062. 2063. 2064. 2065. 2066. 2067. 2068. 2069. 2070. 2071. 2072. 2073. 2074. 2075. 2076. 2077. 2078. 2079. 2080. 2081. 2082. 2083. 2084. 2085. 2086. 2087. 2088. 2089. 2090. 2091. 2092. 2093. 2094. 2095. 2096. 2097. 2098. 2099. 2100. 2101. 2102. 2103. 2104. 2105. 2106. 2107. 2108. 2109. 2110. 2111. 2112. 2113. 2114. 2115. 2116. 2117. 2118. 2119. 2120. 2121. 2122. 2123. 2124. 2125. 2126. 2127. 2128. 2129. 2130. 2131. 2132. 2133. 2134. 2135. 2136. 2137. 2138. 2139. 2140. 2141. 2142. 2143. 2144. 2145. 2146. 2147. 2148. 2149. 2150. 2151. 2152. 2153. 2154. 2155. 2156. 2157. 2158. 2159. 2160. 2161. 2162. 2163. 2164. 2165. 2166. 2167. 2168. 2169. 2170. 2171. 2172. 2173. 2174. 2175. 2176. 2177. 2178. 2179. 2180. 2181. 2182. 2183. 2184. 2185. 2186. 2187. 2188. 2189. 2190. 2191. 2192. 2193. 2194. 2195. 2196. 2197. 2198. 2199. 2200. 2201. 2202. 2203. 2204. 2205. 2206. 2207. 2208. 2209. 2210. 2211. 2212. 2213. 2214. 2215. 2216. 2217. 2218. 2219. 2220. 2221. 2222. 2223. 2224. 2225. 2226. 2227. 2228. 2229. 2230. 2231. 2232. 2233. 2234. 2235. 2236. 2237. 2238. 2239. 2240. 2241. 2242. 2243. 2244. 2245. 2246. 2247. 2248. 2249. 2250. 2251. 2252. 2253. 2254. 2255. 2256. 2257. 2258. 2259. 2260. 2261. 2262. 2263. 2264. 2265. 2266. 2267. 2268. 2269. 2270. 2271. 2272. 2273. 2274. 2275. 2276. 2277. 2278. 2279. 2280. 2281. 2282. 2283. 2284. 2285. 2286. 2287. 2288. 2289. 2290. 2291. 2292. 2293. 2294. 2295. 2296. 2297. 2298. 2299. 2300. 2301. 2302. 2303. 2304. 2305. 2306. 2307. 2308. 2309. 2310. 2311. 2312. 2313. 2314. 2315. 2316. 2317. 2318. 2319. 2320. 2321. 2322. 2323. 2324. 2325. 2326. 2327. 2328. 2329. 2330. 2331. 2332. 2333. 2334. 2335. 2336. 2337. 2338. 2339. 2340. 2341. 2342. 2343. 2344. 2345. 2346. 2347. 2348. 2349. 2350. 2351. 2352. 2353. 2354. 2355. 2356. 2357. 2358. 2359. 2360. 2361. 2362. 2363. 2364. 2365. 2366. 2367. 2368. 2369. 2370. 2371. 2372. 2373. 2374. 2375. 2376. 2377. 2378. 2379. 2380. 2381. 2382. 2383. 2384. 2385. 2386. 2387. 2388. 2389. 2390. 2391. 2392. 2393. 2394. 2395. 2396. 2397. 2398. 2399. 2400. 2401. 2402. 2403. 2404. 2405. 2406. 2407. 2408. 2409. 2410. 2411. 2412. 2413. 2414. 2415. 2416. 2417. 2418. 2419. 2420. 2421. 2422. 2423. 2424. 2425. 2426. 2427. 2428. 2429. 2430. 2431. 2432. 2433. 2434. 2435. 2436. 2437. 2438. 2439. 2440. 2441. 2442. 2443. 2444. 2445. 2446. 2447. 2448. 2449. 2450. 2451. 2452. 2453. 2454. 2455. 2456. 2457. 2458. 2459. 2460. 2461. 2462. 2463. 2464. 2465. 2466. 2467. 2468. 2469. 2470. 2471. 2472. 2473. 2474. 2475. 2476. 2477. 2478. 2479. 2480. 2481. 2482. 2483. 2484. 2485. 2486. 2487. 2488. 2489. 2490. 2491. 2492. 2493. 2494. 2495. 2496. 2497. 2498. 2499. 2500. 2501. 2502. 2503. 2504. 2505. 2506. 2507. 2508. 2509. 2510. 2511. 2512. 2513. 2514. 2515. 2516. 2517. 2518. 2519. 2520. 2521. 2522. 2523. 2524. 2525. 2526. 2527. 2528. 2529. 2530. 2531. 2532. 2533. 2534. 2535. 2536. 2537. 2538. 2539. 2540. 2541. 2542. 2543. 2544. 2545. 2546. 2547. 2548. 2549. 2550. 2551. 2552. 2553. 2554. 2555. 2556. 2557. 2558. 2559. 2560. 2561. 2562. 2563. 2564. 2565. 2566. 2567. 2568. 2569. 2570. 2571. 2572. 2573. 2574. 2575. 2576. 2577. 2578. 2579. 2580. 2581. 2582. 2583. 2584. 2585. 2586. 2587. 2588. 2589. 2590. 2591. 2592. 2593. 2594. 2595. 2596. 2597. 2598. 2599. 2600. 2601. 2602. 2603. 2604. 2605. 2606. 2607. 2608. 2609. 2610. 2611. 2612. 2613. 2614. 2615. 2616. 2617. 2618. 2619. 2620. 2621. 2622. 2623. 2624. 2625. 2626. 2627. 2628. 2629. 2630. 2631. 2632. 2633. 2634. 2635. 2636. 2637. 2638. 2639. 2640. 2641. 2642. 2643. 2644. 2645. 2646. 2647. 2648. 2649. 2650. 2651. 2652. 2653. 2654. 2655. 2656. 2657. 2658. 2659. 2660. 2661. 2662. 2663. 2664. 2665. 2666. 2667. 2668. 2669. 2670. 2671. 2672. 2673. 2674. 2675. 2676.

[illegible]

1. 凡在本行工作的员工，其工资、奖金、福利、社会保险等均由本行统一支付。

[illegible]

thesis for the Ph. D. Degree without working under a supervising teacher, provided however, they possess the qualifications prescribed in sub-section (i) supra and register themselves for the Degree.

- II (i) That in Section 3 – Diplomas and Certificates of Chapter XII – Degrees – of the First Statutes, the following be inserted as items 25 and 26 after the existing item 24 and the subsequent item renumbered as 27 :—

25. Translation

26. Translation and Secretariat Drafting in Hindi

(ii) That in Section 10 – Diplomas and Certificates of Chapter XVII – Faculty of Oriental Studies – of the First Statutes, the following be inserted as items (ii) and (iii) after item (i) Linguistics and the subsequent item renumbered as (iv) :—

(ii) Translation

(iii) Translation and Secretariat Drafting in Hindi

- III That para 1 of Statute 11 (a) of Chapter VI—the Senate—of the First Statutes be amended as follows :—

11. Hours of meeting—(a) Unless the Senate otherwise resolve, the Senate shall meet at 10 A.M. on each day appointed for the meeting and the Chairman shall adjourn the meeting at 5 P.M.; there shall be an adjournment from 1 P. M. to 2.30 P. M. for lunch.

- IV That in Section 2 of Chapter IV—University Departments—of the First Statutes, item ‘27. English’ be added after item ‘26. Business Administration’ and the subsequent item renumbered.

- V (i) That in Section 3—Diplomas and Certificates—of Chapter XII—Degrees—of the First Statutes the following be added after item ‘26. Translation and Secretariat Drafting in Hindi’ and the subsequent item renumbered :—

27. Business Management

28. Industrial Management

- (ii) That in Section 9—Diplomas—of Chapter XIII—Faculty of Arts—of the First Statutes the following be added after item

(vi) Teaching of English and the subsequent item renumbered :—

(vii) Business Management

(viii) Industrial Management

INSTITUTION

23. St. Thomas College, Trichur.
24. Sree Kerala Varma College, Trichur.
25. Sree Narayana College for Women, Quilon.
26. N. S. S. College for Women, Trivandrum.
27. Assumption College, Changanacherry.
28. St. Joseph's College for Women, Alleppey.
29. B. C. M. College for Women, Kottayam.
30. Providence Women's College, Calicut.
31. Little Flower College, Guruvayoor.
32. St. Teresa's College, Ernakulam.
33. St. Mary's College, Trichur.
34. St. Joseph's College, Devagiri.
35. Sacred Heart College, Thevara, Ernakulam.
36. Sree Narayana College, Cannanore.
37. N. S. S. College, Ottapalam.
38. Institute of Sociology, Trivandrum.

Total (B) ...

II. Oriental Title Institutions

Maintained by Private Managements

1. Mahajana Sanskrit College, Perdala.
2. Sahitya Deepika Sanskrit College, Pavaratty.
3. Rouzathul Uloom Arabic College, Feroke.
4. Madeenathul Uloom Arabic College, Feroke.
5. Sullamussalam Arabic College, Arcacode.
6. Nural Huda Arabic College, Kanjirappally.

Total II ...

Total [I + II] ...

Chairman, the Arts and Science and Cultural Studies Council

[illegible]

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 14 15

7. 1. 1991 103 200 10 10 10 100,000 100 100 100

tal Title Institutions, 1964-'65—Contd.

| Institutions | Faculty of Fine Arts | | | Faculty of Commerce | | | | | Total for 1964-'65 | | | Total for 1963-'64 | No. of Teachers 1964-'65 |
|--------------|----------------------|-------|-------|---------------------|-------|-------|----------|-------|--------------------|--------|--------|--------------------|--------------------------|
| | B. A. | | | B. Com. | | | M. Com. | | Men | Women | Total | | |
| | 1 yr. | 2 yr. | 3 yr. | 1 yr. | 2 yr. | 3 yr. | Previous | Final | | | | | |
| | | | | 68 | 53 | 31 | | | 1,917 | — | 1,917 | 1,574 | 7 |
| | | | | 61 | 66 | 31 | | | 1,030 | 405 | 1,435 | 1,197 | 5 |
| | | | | | | | | | — | 1,635 | 1,635 | 1,400 | 6 |
| | | | | | | | | | — | 906 | 906 | 964 | 4 |
| | | | | | | | | | — | 1,258 | 1,258 | 1,165 | 5 |
| | | | | | | | | | — | 672 | 672 | 557 | 3 |
| | | | | | | | | | — | 1,270 | 1,270 | 1,149 | 5 |
| | | | | | | | | | — | 557 | 557 | 485 | 2 |
| | | | | | | | | | — | 812 | 812 | 605 | 3 |
| | | | | | | | | | — | 1,062 | 1,062 | 954 | 5 |
| | | | | | | | | | — | 1,583 | 1,583 | 1,370 | 6 |
| | | | | 65 | 49 | 59 | 15 | 5 | 1,068 | — | 1,068 | 1,017 | 5 |
| | | | | 48 | 50 | 34 | | | 1,633 | — | 1,633 | 1,588 | 8 |
| | | | | 31 | 15 | 32 | | | 807 | 434 | 1,241 | 1,172 | 5 |
| | | | | | | | | | 461 | 160 | 621 | 444 | 3 |
| | | | | | | | | | 36 | 25 | 61 | 24 | |
| 17 | — | — | — | 1,312 | 960 | 672 | 83 | 55 | 32,442 | 18,799 | 51,241 | 46,231 | 2,29 |
| | | | | | | | | | — | — | — | 4 | |
| | | | | | | | | | 8 | 122 | 130 | 170 | |
| | | | | | | | | | 57 | — | 57 | 64 | |
| | | | | | | | | | 41 | 7 | 48 | 36 | |
| | | | | | | | | | 37 | 18 | 55 | 46 | |
| | | | | | | | | | 43 | — | 43 | 56 | |
| | | | | | | | | | 186 | 147 | 333 | 376 | |
| 82 | 16 | 5 | 5 | 1,481 | 1,018 | 717 | 83 | 55 | 39,847 | 23,083 | 62,930 | 56,919 | 2,9 |

**(ii) Strength of Students and Teachers in the
Junior Colleges, 1947-48**

| INSTITUTION | Students | | | Teachers |
|---|------------|-------------|------------|----------|
| | First Year | Second Year | Third Year | |
| (A) Government College | | | | |
| 1. Government Arts and Science College, Calicut. | 163 | 47 | 500 | 8 |
| (B) Colleges maintained by Private Managements | | | | |
| 1. Bishop's College, Kottayam | 353 | 157 | 450 | 15 |
| 2. Bishop Moore College, Marolatha. | 297 | 212 | 475 | 14 |
| 3. Christian College, Changanassery | 243 | 167 | 450 | 14 |
| 4. Devis Matha College, Kumbalangi. | 167 | 157 | 250 | 11 |
| 5. Devaswom Board College, Kumbalangi. | 250 | 115 | 421 | 22 |
| 6. Ighal College, Puthencherry | 250 | 157 | 500 | 15 |
| 7. Marjoseph Memorial College, Koyamkulam. | 250 | 250 | 250 | 15 |
| 8. Newman College, Puthencherry | 250 | 150 | 500 | 15 |
| 9. St. Joseph's College, Kumbalangi | 250 | 425 | 500 | 15 |
| 10. St. Joseph's College, Kumbalangi | 250 | 250 | 250 | 15 |
| 11. St. Joseph's College, Puthencherry | 250 | 115 | 500 | 15 |
| 12. St. Joseph's College, Puthencherry | 250 | 250 | 500 | 15 |
| 13. St. Joseph's College, Puthencherry | 250 | 250 | 500 | 15 |
| 14. St. Joseph's College, Puthencherry | 250 | 250 | 500 | 15 |
| 15. St. Joseph's College, Puthencherry | 250 | 250 | 500 | 15 |
| 16. St. Joseph's College, Puthencherry | 250 | 250 | 500 | 15 |
| 17. St. Joseph's College, Puthencherry | 250 | 250 | 500 | 15 |
| 18. St. Joseph's College, Puthencherry | 250 | 250 | 500 | 15 |
| 19. St. Joseph's College, Puthencherry | 250 | 250 | 500 | 15 |
| 20. St. Joseph's College, Puthencherry | 250 | 250 | 500 | 15 |
| 21. St. Joseph's College, Puthencherry | 250 | 250 | 500 | 15 |
| 22. St. Joseph's College, Puthencherry | 250 | 250 | 500 | 15 |
| 23. St. Joseph's College, Puthencherry | 250 | 250 | 500 | 15 |
| 24. St. Joseph's College, Puthencherry | 250 | 250 | 500 | 15 |
| 25. St. Joseph's College, Puthencherry | 250 | 250 | 500 | 15 |

| INSTITUTION | No. of Students 1964-'65 | | | No. of Teachers (1964-'65) |
|---|-----------------------------|-------|--------|----------------------------------|
| | Pre-Degree (I Year) | | | |
| | Men | Women | Total | |
| 21. St. Stephen's College, Pathanapuram. | 214 | 108 | 322 | 11 |
| 22. St. Stephen's College, Uzhavoor. | 155 | 101 | 256 | 12 |
| 23. St. Thomas College, Ranni. | 146 | 62 | 208 | 10 |
| 24. T. K. Madhavan Memorial College, Nangiarkulangara. | 221 | 133 | 354 | 14 |
| 25. Velu Thampi Memorial N. S. S. College, Dhanuvachapuram. | 287 | 123 | 410 | 18 |
| 26. Kuriakose Elias College, Mannanam. | 280 | — | 280 | 14 |
| 27. Loyola College, Kazhakootam. | 249 | — | 249 | 17 |
| 28. All Saints' College, Trivandrum. | — | 273 | 273 | 20 |
| 29. Alphonsa College, Palai. | — | 347 | 347 | 15 |
| 30. Mercy College, Palghat. | — | 234 | 234 | 10 |
| 31. St. Joseph's College, Irinjalakuda. | — | 306 | 306 | 15 |
| 32. St. Xavier's College, Alwaye. | — | 223 | 223 | 17 |
| Total (B) | 6,111 | 4,021 | 10,132 | 475 |
| Grand Total (A & B) | 6,299 | 4,068 | 10,367 | 483 |

SUMMARY

II. Strength of students 1944-45

| INSTITUTION | 1944-45 | |
|---|---------|---------|
| | 1944-45 | 1945-46 |
| I. Affiliated Colleges | | |
| (1) Arts and Science and Oriental Studies Colleges | 2,251 | 2,251 |
| (2) Law College | 1,251 | 1,251 |
| (3) Oriental Text Institute | 100 | 100 |
| (4) Professional Colleges | 8,000 | 8,000 |
| Total | 12,602 | 12,602 |
| II. University Teaching Departments | | |
| <i>(At Tanzeem)</i> | | |
| (1) Department of Economics M.A. (Economics) | 15 | 15 |
| (2) Department of Political M.A. (Political) | 22 | 22 |
| (3) Department of Psychology M.A. (Psychology) | 5 | 11 |
| (4) Department of Education M. Ed. | 19 | 11 |
| (5) Department of English M.A. English | 6 | 6 |
| Diploma in English | 6 | 13 |
| (6) Department of Geography M.A. Geography | 5 | 5 |
| Diploma in Geography | 5 | 4 |
| (7) Department of Mathematics M.Sc. (Mathematics) | 13 | 13 |
| M.Sc. (Mathematics) | 2 | 2 |
| (8) Department of Statistics M.A. (Statistics) | 15 | 5 |
| (9) Department of Sociology M.A. (Sociology) | 25 | 5 |
| (10) Department of History M.A. History | 25 | 25 |
| (11) Department of Urdu M.A. Urdu | 25 | 25 |
| (12) Department of Persian M.A. Persian | 25 | 25 |
| (13) Department of Arabic M.A. Arabic | 25 | 25 |
| (14) Department of Sanskrit M.A. Sanskrit | 25 | 25 |
| (15) Department of Hindi M.A. Hindi | 25 | 25 |
| (16) Department of Marathi M.A. Marathi | 25 | 25 |
| (17) Department of Gujarati M.A. Gujarati | 25 | 25 |
| (18) Department of Kannada M.A. Kannada | 25 | 25 |
| (19) Department of Telugu M.A. Telugu | 25 | 25 |
| (20) Department of Malayalam M.A. Malayalam | 25 | 25 |
| (21) Department of Sinhalese M.A. Sinhalese | 25 | 25 |
| (22) Department of Tamil M.A. Tamil | 25 | 25 |

| INSTITUTION | No. of Students 1964-'65 | | |
|--|-----------------------------|-------|-------|
| | Men | Women | Total |
| <i>(At Ernakulam Centre)</i> | | | |
| (xiii) Department of Marine Biology and Fisheries | | | |
| M. Sc. (Marine Biology) | 14 | 5 | 19 |
| (xiv) Department of Physics | | | |
| M. Sc. (Physics) | 9 | 7 | 16 |
| (xv) Department of Hindi | | | |
| M. A. (Hindi) | 5 | 18 | 23 |
| (xvi) Department of Law | | | |
| M. L. | 12 | 1 | 13 |
| (xvii) School of Management Studies | | | |
| Post-graduate Diploma courses in | | | |
| (a) Business Management | 15 | — | 15 |
| (b) Industrial Management | 20 | — | 20 |
| <i>(At Calicut Centre)</i> | | | |
| (xviii) Department of History | | | |
| M. A. (History) | 5 | 4 | 9 |
| (xix) Department of Chemistry | | | |
| M. Sc. (Chemistry) | 8 | 4 | 12 |
| (xx) Department of Botany | | | |
| M. Sc. (Botany) | 4 | 6 | 10 |
| (xxi) Department of Zoology | | | |
| M. Sc. (Zoology) | 5 | 7 | 12 |
| | 278 | 151 | 429 |

Faculty-wise distribution of Students (1964 - '65)

| | No. of Students | |
|------------------------------------|-----------------|--------|
| Arts, Science and Oriental Studies | ... | 70,303 |
| Fine Arts | ... | 26 |
| Law | ... | 478 |
| Education | ... | 2,355 |
| Engineering | ... | 4,171 |
| Commerce | ... | 3,354 |
| Medicine | ... | 2,299 |
| Ayurveda | ... | 83 |
| Agriculture | ... | 224 |
| Veterinary Science | ... | 247 |
| | | 83,540 |

APPENDIX IV

Statement showing the distribution of Senior Division N. C. C. Units in Colleges, 1964-'65

| Serial No. | Name of Post | Particulars | | Total |
|------------|----------------------------------|---|-----------------|-------|
| | | Number of Colleges | Number of Units | |
| 1. | 1 Kerala Po. NCC Institution. | (a) Mathayana College, Thiruvananthapuram | 1 | 120 |
| | | (b) Ayazhyar College, Thiruvananthapuram | 1 | 20 |
| 2. | 2 Kerala Po. NCC Institution. | Mathayana College, Thiruvananthapuram | 2 | 160 |
| 3. | 3 Kerala Po. NCC Institution. | (a) Thevara College, Thiruvananthapuram | 1 | 10 |
| | | (b) Ayazhyar College, Thiruvananthapuram | 1 | 10 |
| | | (c) Sankar College, Thiruvananthapuram | 1 | 0 |
| 4. | 4 Kerala Po. NCC Institution. | Thiruvananthapuram College, Thiruvananthapuram | 2 | 120 |
| 5. | 6 Kerala Po. NCC College | St. Xavier's College, Quilon | 1 | 100 |
| 6. | 8 Kerala Po. NCC College | Thiruvananthapuram College, Thiruvananthapuram | 2 | 200 |
| 7. | 10 Kerala Po. NCC Institution | St. Xavier's College, Thiruvananthapuram | 2 | 120 |
| 8. | 11 Kerala Po. NCC Institution | Thiruvananthapuram College, Thiruvananthapuram | 1 | 50 |
| 9. | 12 Kerala Po. NCC Institution | Thiruvananthapuram College, Thiruvananthapuram | 1 | 50 |
| | | (a) St. Xavier's College, Thiruvananthapuram | 2 | 40 |

| <i>Name of Unit</i> | <i>Affiliated College (s) under the purview of the Unit</i> | <i>Strength</i> | |
|--|---|-----------------|---------------|
| | | <i>Officers</i> | <i>Cadets</i> |
| 10. 13 Kerala Bn. NCC Changanacherry. | St. Berchmans' College, Changanacherry. | 7 | 1,400 |
| 11. 14 Kerala Bn. NCC Changanacherry. | N. S. S. Hindu College, Changanacherry. | 5 | 900 |
| 12. 15 Kerala Bn. NCC Kottayam. | (i) C. M. S. College, Kottayam. | 5 | 1,000 |
| | (ii) Nirmala College, Muvattupuzha. | 3 | 600 |
| 13. 16 Kerala Bn. NCC Palai. | St. Thomas College, Palai. | 7 | 1,400 |
| 14. 17 Kerala Bn. NCC Alleppey. | Sanatana Dharma College, Alleppey. | 7 | 1,400 |
| 15. 18 Kerala Bn. NCC Ernakulam. | (i) Sacred Heart College, Thevara. | 6 | 1,200 |
| | (ii) Mar Athanasius College, Kothamangalam. | 2 | 400 |
| 16. 19 Kerala Bn. NCC Ernakulam. | (i) Maharaja's College, Ernakulam. | 4 | 800 |
| | (ii) St. Albert's College, Ernakulam. | 5 | 1,000 |
| 17. 20 Kerala Bn. NCC Alwaye. | (i) Union Christian College, Alwaye. | 3 | 600 |
| | (ii) Sree Sankara College, Kalady. | 2 | 400 |
| 18. 22 Kerala Bn. NCC Trichur. | St. Thomas College, Trichur. | 8 | 1,600 |
| 19. 23 Kerala Bn. NCC Trichur. | Veterinary College, Trichur. | 1 | 200 |
| 20. 24 Kerala Bn. NCC Irinjalakuda. | Christ College, Irinjalakuda. | 5 | 1,000 |

| Name of Unit | Associated College (or under the patronage of the Unit) | Support On 31st October |
|---|---|----------------------------|
| 21 25 Kerala Bn NCC Palghat. | (i) Government Vaidya College, Palghat | 3 1/10 |
| | (ii) Government College, Chittur. | 3 0/0 |
| 22 26 Kerala Bn NCC Palghat. | N. S. S. Arts & Science College, Ottapalam | 2 0/0 |
| 23 27 Kerala Bn NCC Kottayam. | (i) Fatook College, Petoole. | 3 0/0 |
| | (ii) Malabar Christian College, Calicut. | 3 0/0 |
| 24 28 Kerala Bn NCC Kottayam. | (i) Gururajapuram College, Calicut. | 3 0/0 |
| | (ii) St. Joseph's College, Devagiri. | 4 0/0 |
| 25 29 Kerala Bn NCC Cannanore. | (i) Sri Narayana College, Cannanore. | 3 0/0 |
| | (ii) Government College, Kanniyad. | 2 0/0 |
| 26 30 Kerala Bn NCC Tellicherry. | (i) Government Bheemsa College, Tellicherry. | 4 1/10 |
| | (ii) Government College, Madappally. | 2 0/0 |
| 27 1 Kerala Armed Sqn. NCC Chingannur. | St. Bernward's College, Chingannur. | 3 0/0 |
| 28 1 Kerala Arm Bn. Cannanore. | Sri Narayana College, Cannanore. | 2 0/0 |
| 29 1 Mad Bn IML Company Thiruvananthapuram. | Engineering College, Thiruvananthapuram. | 3 0/0 |
| 30 2 K Mad Bn IML Company, Thiruvananthapuram. | Engineering College, Thiruvananthapuram. | 3 0/0 |
| 31 1 K Special Company Thiruvananthapuram. | Engineering College, Thiruvananthapuram. | 2 0/0 |
| 32 1 K Bn Regt Palghat. | N. S. S. College of Engineering, Palghat. | 3 0/0 |
| 33 1 K Bn IML Quilon. | T. R. M. College of Engineering, Quilon. | 3 0/0 |
| 34 2 K Bn IML Kozhikode. | M. A. M. College of Engineering, Kozhikode. | 3 0/0 |

| <i>Name of Unit</i> | <i>Affiliated College (s) under the purview of the Unit</i> | <i>Strength</i> | |
|---|---|-----------------|---------------|
| | | <i>Officers</i> | <i>Caders</i> |
| 35. 3 K EME Unit Kozhikode. | Regional Engineering College, Kozhikode. | 3 | 400 |
| 36. 1 K Medical Company NCC, Trivandrum. | Medical College, Trivandrum. | 2 | 200 |
| 37. 2 K Medical Company NCC, Kottayam. | Medical College, Kottayam. | 2 | 200 |
| 38. 1 Kerala Naval Unit NCC, Ernakulam. | (i) Maharaja's College, Ernakulam. | 2 | 70 |
| | (ii) Sacred Heart College, Thevara. | 1 | 70 |
| | (iii) St. Albert's College, Ernakulam. | 1 | 60 |
| 39. 2 Kerala Naval Unit Kozhikode. | (i) Malabar Christian College, Calicut. | 1 | 50 |
| | (ii) Guruvayurappan College, Calicut. | 1 | 50 |
| | (iii) Farook College, Feroke | 1 | 50 |
| | (iv) St. Joseph's College, Devagiri. | 1 | 50 |
| 40. 3 Kerala Naval Unit Trivandrum. | (i) University College, Trivandrum. | 1 | 66 |
| | (ii) Mahatma Gandhi College, Trivandrum. | 1 | 68 |
| | (iii) Mar Ivanios College, Trivandrum. | 1 | 66 |
| 41. 4 Kerala Naval Medical Unit, Kozhikode. | Medical College, Kozhikode. | 4 | 200 |
| 42. 5 Kerala Naval Medical Unit, Alleppey. | T. D. Medical College, Alleppey. | 4 | 200 |
| 43. 1 Kerala Air Sqn. NCC Trivandrum. | (i) University College, Trivandrum. | 1 | 65 |
| | (ii) Mar Ivanios College, Trivandrum. | 1 | 65 |
| | (iii) Mahatma Gandhi College, Trivandrum. | | 60 |
| | (iv) Sanskrit College, Trivandrum. | | 10 |

Girls' Division

| Name of Girls' Company | Location |
|--------------------------|--|
| 1. 1 Kerala Girls Coy. | Women's College, Travancore |
| 2. 2 Kerala Girls Coy. | do |
| 3. 3 Kerala Girls Coy. | Medical College, Travancore |
| 4. 4 Kerala Girls Coy. | Ladies' Arms National College, Quilon |
| 5. 5 Kerala Girls Coy. | do |
| 6. 6 Kerala Girls Coy. | Stree Natyana College, Quilon |
| 7. 7 Kerala Girls Coy. | do |
| 8. 8 Kerala Girls Coy. | Govt. Girls' College, Ponnani |
| 9. 9 Kerala Girls Coy. | Mar Thoma College, Travancore |
| 10. 10 Kerala Girls Coy. | N. S. S. College, Ponnani |
| 11. 11 Kerala Girls Coy. | St. Joseph's College for Women, Alappuzha |
| 12. 12 Kerala Girls Coy. | N. S. S. Girls' College, Changanassery |
| 13. 13 Kerala Girls Coy. | Anglo-Vernacular College, Changanassery |
| 14. 14 Kerala Girls Coy. | Bishop's College, Alappuzha |
| 15. 15 Kerala Girls Coy. | St. Ann's College, Kottayam |
| 16. 16 Kerala Girls Coy. | St. Teresa's College, Travancore |
| 17. 17 Kerala Girls Coy. | Government Arts College, Punalay |
| 18. 18 Kerala Girls Coy. | Government College, Punalay |

Note: The names of the 18 Kerala Girls' Companies are given in the list above.

APPENDIX V

Scholarships, Medals and Prizes

During the year under report the following Scholarships were awarded to the students noted under each :—

I. University Merit Scholarships of the annual value of Rs. 480/- each for the Pre-University course for 1963-'64

| <i>Name of student</i> | <i>College in which studying</i> |
|-------------------------------|--|
| 1. Shri K. Narayanan | Intermediate College, Trivandrum. |
| 2. Shri N. Jayakumar | do. |
| 3. Shri G. Viswanantha Das | do. |
| 4. Shri Raja Titus Mathew | do. |
| 5. Shri B. Vijayakumar | do. |
| 6. Shri K. Raveendran Nair | do. |
| 7. Shri K. Narayana Iyer | do. |
| 8. Smt. Mariamma Kurien | College for Women, Trivandrum. |
| 9. Smt. S. Padmaja Devi | do. |
| 10. Smt. V. Radha | do. |
| 11. Smt. Sali George | do. |
| 12. Smt. T. Vijayakumari Amma | do. |
| 13. Smt. R. Saradambika | do. |
| 14. Smt. Anna Kurien | do. |
| 15. Shri Yegnaraman | Maharaja's College, Ernakulam. |
| 16. Smt. T. R. Bhavani | do. |
| 17. Smt. Asalatha Thampuram | do. |
| 18. Shri Shaji Peter | do. |
| 19. Shri T.R. Venkitaraman | do. |
| 20. Shri P.K. Mohandas | do. |
| 21. Smt. Maimie Thomas | do. |
| 22. Smt. C.K. Lakshmi | Government College, Chittur. |
| 23. Shri C.R. Balasubramonian | do. |
| 24. Shri P.N. Radhakrishnan | do. |
| 25. Shri K. V. Rajendran | Government Victoria College, Palghat. |
| 26. Shri K. Prabhakaran | do. |
| 27. Shri K. Rames Das | do. |
| 28. Shri E. Unnikrishnan | Government Brennen College, Tellicherry. |
| 29. Shri Ganapathy Rao | do. |
| 30. Shri U. Sreekrishnan | Government College, Kasaragod. |
| 31. Shri P. Muralikrishnan | do. |

| Name of student | College or institution |
|-----------------------------------|--|
| 32. Mr. K. Damodaran | Government College, Alwayar |
| 33. Mr. Sekkaranarayana Pillai | do |
| 34. Sri. Sekha Sajan Varghese | Deen Chundan College, Alwayar |
| 35. Sri. Valia John | do |
| 36. Sri. Joseph Stanis | do |
| 37. Sri. Anna Anna John | do |
| 38. Sri P.G. Mohan | do |
| 39. Sri P.N. Panthajathan Nair | do |
| 40. Sri Thomas Sebastian | St. Benedict College, Changanassery |
| 41. Sri M. Thomas Mathew | do |
| 42. Sri K.P. Ketava Karmal | do |
| 43. Sri C.R. Jasadathan Nair | do |
| 44. Sri Thomas Varghese | do |
| 45. Sri. S. Karmalam | C.M.S. College, Kottayam |
| 46. Sri. Mary David | do |
| 47. Sri P. Annamatharan | Sacred Heart College, Alwayar |
| 48. Sri K. Gopalakrishnan | do |
| 49. Sri P.V. John | Matheson College, Thiruvananthapuram |
| 50. Sri C.S. Sambharam | Sree Kanyasulkam College, Thiruvananthapuram |
| 51. Sri P.M. Lalith | do |
| 52. Sri G. Sadasan Jayaraman | do |
| 53. Sri G. Rajalakshmi Nair | S.S.S. Hindu College, Changanassery |
| 54. Sri S. Lakshminarayana Pillai | N.S.S. College, Thiruvananthapuram |
| 55. Sri G. Vasudevan Nair | do |
| 56. Sri M.M. Ajayam | St. Thomas College, Palai |
| 57. Sri J. J. Maryamma | do |
| 58. Sri M.S. Thomas | do |
| 59. Sri A.K. Pothan Nair | Christ Church College, Thiruvananthapuram |
| 60. Sri M.M. George | Sacred Heart College, Thiruvananthapuram |
| 61. Sri J. J. Maryamma | St. George's College, Alwayar |
| 62. Sri M.M. Maryamma | St. Vincent College, Thiruvananthapuram |
| 63. Sri K. K. P. Nair | do |
| 64. Sri S. Ramakrishnan | Sree Kanyasulkam College, Thiruvananthapuram |
| 65. Sri M. S. Sankaran | Deen Chundan College, Alwayar |

| <i>Name of student</i> | <i>College in which studying</i> |
|---------------------------------|--|
| 66. Shri Mani Menon | St. Thomas College, Trichur. |
| 67. Shri K.K. Sashikumaran | do. |
| 68. Shri K. Kochukrishnan | do. |
| 69. Shri P.S. Raman | do. |
| 70. Shri C. Vasudevan | do. |
| 71. Shri Balachandran Thampuram | do. |
| 72. Shri M.R. Gopalakrishnan | Sree Kerala Varma College, Trichur. |
| 73. Smt. Achamma Alexander | Assumption College, Changanacherry. |
| 74. Smt. K.M. Anna | do. |
| 75. Smt. R. Rosamma Joseph | do. |
| 76. Smt. K.S. Bhagyalakshmy | St. Mary's College, Trichur. |
| 77. Smt. Anna J. Mandy | do. |
| 78. Shri B. Abdul Lathief | St. Joseph's College, Devagiri. |
| 79. Shri P.V. Narayanan Nambiar | Sree Narayana College, Cannanore. |
| 80. Shri P. Ramadasan | N.S.S. College, Ottapalam. |

II. H. H. The Maharaja's Scholarships of the annual value of Rs. 120/- each for the Pre-University course for 1963-'64

| <i>Name of student</i> | <i>College in which studying</i> |
|-------------------------------------|---|
| 1. Shri T. Abdulla Koya | Intermediate College, Trivandrum. |
| 2. Shri V. Garudewara Iyer | do. |
| 3. Smt. Sosamma Philipose | College for Women, Trivandrum. |
| 4. Smt. Mary Kuruvila | do. |
| 5. Shri K. Pushpangadhan | Maharaja's College, Ernakulam. |
| 6. Shri K. Paramesh | do. |
| 7. Shri Vijayakumar Premchand | do. |
| 8. Smt. V. K. Bhama | Government Victoria College, Palghat. |
| 9. Smt. P. M. Rudrani | Government Brennen College, Tellicherry. |
| 10. Shri K. P. Panduranga Shenoi | Government College, Kasaragod. |
| 11. Shri Thomas Varghese | Union Christian College, Alwaye. |
| 12. Shri T. K. Chandra Bose | do. |
| 13. Shri P. C. Jose | do. |
| 14. Shri M. M. Thomas | St. Berchmans' College, Changanacherry. |
| 15. Shri M. R. Ananthanarayanan | C. M. S. College, Kottayam. |

| | Name of Student | College or University |
|-----|-------------------------|---------------------------------|
| 10. | Sen K. Thapaporn | San Narciso College, California |
| 11. | Sen S. V. Premakumar | Madras College, Madras, India |
| 12. | Sen A. R. Balakrishnan | St. Thomas College, India |
| 13. | Sen K. Narayan | St. Mary's College, India |
| 14. | Sen C. C. Kuthirave | do |
| 15. | Sen M. Gowri Devi | do |
| 16. | Sen K. S. Margaret Jane | St. Teresa College, India |
| 17. | Sen K. C. Mathew | St. Joseph College, India |
| 18. | Sen C. Krishnakrishnan | do |
| 19. | Sen P. Sathakrishnan | do |
| 20. | Sen P. H. Krishnan | do |

19. *Continuing Members of the Society, who have completed the first year of the College Course, but have not yet received the degree of Bachelor of Arts (readable in German)*

| | Name of Student | College or University |
|-----------|-------------------|--|
| English | Sen George Joseph | St. Thomas College, India |
| | Sen Lalla Thomas | College for Women, India |
| | Sen S. Padma | do |
| | Sen P. Nirmala | do |
| | Sen C. K. Keshy | Immaculate Mary, Bombay College, India |
| | Sen M. H. Joseph | Presbyterian Women's College, India |
| | Sen J. P. Anandam | St. Teresa College, India |
| | Sen A. V. Mary | do |
| | Sen L. Sathya | College for Women, India |
| | Sen J. V. Anandam | College for Women, India |
| Tamil | Sen A. V. Anandam | St. Thomas College, India |
| | Sen S. Anandam | St. Thomas College, India |
| | Sen S. Anandam | St. Thomas College, India |
| | Sen S. Anandam | St. Thomas College, India |
| Malayalam | Sen K. Anandam | St. Thomas College, India |
| | Sen K. Anandam | St. Thomas College, India |
| | Sen K. Anandam | St. Thomas College, India |

| Class | Serial | Name of student | College rank & Institute |
|----------|--------|------------------------------------|--------------------------------------|
| Class V | 9 | Sri K. Sankaran- narayanan | Madras College, Tamilnadu |
| | 10 | Sri Premnath Rao | do |
| | 11 | Sri T. Ramakrishnan | do |
| | 12 | Sri A. V. Ramaswami | Government College Chennai |
| | 13 | Sri K. Venkataraman | Government Vaidya College Palghat |
| | 14 | Sri Grace K. Joseph | St Thomas College Dumfries |
| | 15 | Sri George K. Jacob | Catholicate College Puthussery |
| | 16 | Sri K. M. George | Sri Lanka College, Mauritius |
| | 17 | Sri Mami Jacob | St. Teresa's College Trichur |
| | 18 | Sri Lucy Anna Cyprian | do |
| Class VI | 1 | Sri T. S. Jaganathan | Government College Tirunelveli |
| | 2 | Sri R. Krishnan | do |
| | 3 | Sri Chacko Zacharia | do |
| | 4 | Sri P. Chandrasekhar | do |
| | 5 | Sri C. R. Anantha- krishnan | Government College Chennai |
| | 6 | Sri T. A. Nirmala | Government Vaidya College Palghat |
| | 7 | Sri George Joseph | Catholicate College Changanassery |
| | 8 | Sri P. Helius | Sri Lanka College, Mauritius |
| | 9 | Sri Ramesh Babu Pillai | St Thomas College, Dumfries |
| | 10 | Sri K. V. John | do |
| | 11 | Sri N. Panicker | do |
| | 12 | Sri Joseph Kuriakose Chengalath | St Thomas College Palghat |
| | 13 | Sri P. P. George Kuriakose | do |
| | 14 | Sri T. J. Thomas | Government College Palghat |
| | 15 | Sri P. J. Joseph | Sri Lanka College, Mauritius |

| <i>Subject</i> | <i>Name of student</i> | <i>College in which studying</i> |
|-------------------------|---------------------------------------|--|
| <i>Chemistry</i> | 16. Shri Aravinda Raja | St. Thomas College, Kozhencherry. |
| | 17. Shri C. Satheesan | Sree Sankara College, Kalady. |
| | 18. Smt. T.R. Radha Varma | Sree Kerala Varma College, Trichur. |
| | 19. Smt. A. Lalitha | do. |
| | 20. Smt. N.S. Vijayalakshmi | do. |
| | 21. Smt. R. Vrinda | Sree Narayana College for Women, Quilon. |
| | 22. Smt. Mariamma Varghese | Assumption College, Changanacherry. |
| | 23. Smt. V.K. Subhadra | St. Mary's College, Trichur. |
| | 24. Smt. P. Indira | do. |
| <i>Botany</i> | 1. Shri Thomas Paul | University College, Trivandrum. |
| | 2. Smt. Vimala Krishna Pillai | College for Women, Trivandrum. |
| | 3. Smt. K. Mary Thomas | do. |
| | 4. Shri A.C. Neelakantan | St. Thomas College, Trichur. |
| | 5. Smt. P. Prasannakumari | St. Mary's College, Trichur. |
| | 6. Shri T. Joseph | St. Joseph's College, Devagiri. |
| <i>Zoology</i> | 1. Smt. Suseela Elizabeth John | College for Women, Trivandrum. |
| | 2. Smt. K.S. Sarojaya | do. |
| | 3. Smt. Mary Mathew | Maharaja's College, Ernakulam. |
| | 4. Shri P.J. Jose | Sanatana Dharma College, Alleppey. |
| | 5. Shri K.M. Sebastian | St. Thomas College, Palai. |
| | 6. Shri M.R. Parameswaran | St. Albert's College, Ernakulam. |
| | 7. Shri A.D. Krishnan | St. Thomas College, Trichur. |
| | 8. Shri Prakash Sankara- narayanan | do. |
| | 9. Smt. Veronica T. Joshy | St. Joseph's College for Women, Alleppey. |
| | 10. Shri Jacob Kurian | Sacred Heart College, Thevara. |
| <i>Geology</i> | Shri Joseph Mathew | University College, Trivandrum. |
| <i>Home Science</i> | 1. Smt. A.N. Dhanya- kumari | C.M.S. College, Kottayam. |
| | 2. Smt. Rushnavi Manikiji | St. Teresa's College, Ernakulam. |
| | 3. Smt. Ravikala Kamath | do. |

VI. Lady Willingdon Scholarships of the annual value of Rs. 180 each for B. A. / B. Sc. / B. Com. Degree courses awarded for 1963-'64

(Tenable for 3 years)

| <i>Name of student</i> | <i>College in which studying</i> |
|------------------------|-------------------------------------|
| 1. Smt. R. Radhamma | College for Women, Trivandrum. |
| 2. Smt. S. Jaya | do. |
| 3. Smt. T. A. Rugmini | Government College, Chittur. |
| 4. Smt. S. V. Gayatry | Malabar Christian College, Calicut. |

VII. University Merit Scholarships of the annual value of Rs. 900/- each for M. A. / M. Sc. / M. Com. / M. L. Degree courses for 1963-'64

(Tenable for 2 years)

| <i>Subject</i> | <i>Name of Student</i> | <i>College in which studying</i> |
|--------------------|-----------------------------------|--|
| <i>Politics</i> | Shri P. T. Ouseph | University Department of Politics, Trivandrum. |
| <i>Economics</i> | 1. Smt. Sosa George | University Department of Economics, Trivandrum. |
| | 2. Shri Thomas Kuruvilla | do. |
| | 3. Smt. P. Sarasiji Pillai | do. |
| <i>Philosophy</i> | Smt. G Chandrika Devi | University College, Trivandrum. |
| <i>English</i> | Shri V. Mani Jacob | University College, Trivandrum. |
| <i>Malayalam</i> | 1. Shri K. A. Augusthy | Maharaja's College, Ernakulam. |
| | 2. Shri C. K. Appukuttan | do. |
| <i>Sanskrit</i> | Shri M. P. Padmanabhan Nair | Sanskrit College, Trivandrum. |
| <i>Hindi</i> | Smt. A. Rema | University Department of Hindi, Ernakulam. |
| <i>Mathematics</i> | 1. Shri K. S. Vijayan | Maharaja's College, Ernakulam. |
| | 2. Smt. M. Gouri | do. |
| | 3. Shri S. Radhakrishnan Chettiar | Sree Narayana College, Quilon. |
| | 4. Shri K. Gopinatha Pillai | do. |
| <i>Statistics</i> | 1. Shri D. N. Raman | University Department of Mathematics & Statistics, Trivandrum. |
| | 2. Shri S. Renganathan | do. |
| | 3. Shri P. Narayana Rao | Government Victoria College, Palghat. |

ANNUAL REPORT FOR THE YEAR 2002

| Category | Name of the Person | Address and Contact Details |
|---------------------|-------------------------------------|--|
| Presidents | 1. Smt C. P. George Vailakulam | Malappuram District, Tirunelveli |
| | 2. Smt M. Cleetha | do |
| | 3. Smt. K. Veeralakshmi | do |
| | 4. Smt Joseph Mathew | do |
| | 5. Smt V. L. Lazarus | do |
| | 6. Smt M. R. Jayaraman | St. Thomas College, Thiruvananthapuram |
| Executive Secretary | Smt V. Balasubramanian | Coimbatore District, Coimbatore |
| General Secretary | 1. Smt. Thara Jampi | Thiruvananthapuram District, Thiruvananthapuram |
| | 2. Smt P. C. Varughese | C. M. S. College, Thiruvananthapuram |
| | 3. Smt. S. Geetha | do |
| | 4. Smt M. J. Chandy | do |
| | 5. Smt P. Sindhuja | St. Thomas College, Thiruvananthapuram |
| | 6. Smt L. J. Mathew | Sacred Heart College, Thiruvananthapuram |
| Executive Secretary | Smt D. Leela | Malappuram District, Tirunelveli |
| Executive Secretary | Smt G. Pushpangadan | Thiruvananthapuram District, Thiruvananthapuram |
| Treasurers | 1. Smt. N. S. Sathumathy | Malappuram District, Tirunelveli |
| | 2. Smt. C. S. S. Joseph | St. Thomas College, Thiruvananthapuram |
| | 3. Smt P. A. George | do |
| | 4. Smt M. M. Harman | St. Thomas College, Thiruvananthapuram |
| | 5. Smt M. J. Thomas | do |
| Deputy Secretaries | 1. Smt P. C. Anand Puthupattam | Thiruvananthapuram District, Thiruvananthapuram |
| | 2. Smt. N. J. George Puthupattam | Thiruvananthapuram District, Thiruvananthapuram |
| | 3. Smt. A. Anand Puthupattam | Thiruvananthapuram District, Thiruvananthapuram |
| Executive Secretary | Smt P. George | Thiruvananthapuram District, Thiruvananthapuram |
| Deputy Secretary | Smt M. S. Sathumathy | Thiruvananthapuram District, Thiruvananthapuram |

*VIII. University Merit Scholarships of the annual value of Rs. 480/-each
for the Pre-degree course for 1964-'65
(Tenable for 2 years)*

| <i>Name of Student</i> | <i>College in which studying</i> |
|-------------------------------|-----------------------------------|
| 1. Shri S. Sankar | Intermediate College, |
| | Trivandrum. |
| 2. Shri K. A. Abdul Hakeem | do. |
| 3. Shri M. P. Muraleedharan | do. |
| 4. Shri A. Jayashankar | do. |
| 5. Shri B. Sasidharan Nair | do. |
| 6. Shri Babu Joseph | do. |
| 7. Shri S. Narayanan Nair | do. |
| 8. Shri N. Krishnan Nair | do. |
| 9. Shri K. Ravindran Nair | do. |
| 10. Shri Kevin Fernandez | do. |
| 11. Shri N. Venkiteswaran | do. |
| 12. Shri Y. Rafeek | do. |
| 13. Shri P. P. Thankachan | do. |
| 14. Shri N. Ramachandran Nair | do. |
| 15. Smt. Yasmin Thomas | College for Women, Trivandrum. |
| 16. Smt. S. Latha | do. |
| 17. Smt. Hansa Nair | do. |
| 18. Smt. Lalitha Koshi | do. |
| 19. Smt. G. P. Bhagavathy | do. |
| 20. Smt. Syamala Mary Thomas | do. |
| 21. Smt. N. Shanta | do. |
| 22. Smt. T. L. Jaffie Rita | do. |
| 23. Smt. L. Ambika Devi | do. |
| 24. Smt. S. Shanthamani | do. |
| 25. Smt. Susan Jacob | do. |
| 26. Smt. R. Kalliani Ammal | do. |
| 27. Smt. A. K. Sarada | do. |
| 28. Shri V. Jagadeesh | Maharaja's College, Ernakulam. |
| 29. Smt. G. Sethulakshmi | do. |
| 30. Smt. Reena K. Baby | do. |
| 31. Shri G. Gokulnath | do. |
| 32. Shri K. S. Venukuttan | do. |
| 33. Smt. T. M. Vijayakumari | do. |
| 34. Smt. V. R. Rugmani | do. |
| 35. Smt. Susan Abraham | do. |
| 36. Smt. Celine Mathew | do. |

| No. | Name of Student | College or University |
|-----|-----------------------------|----------------------------|
| 37 | Chen S. Natayana M. S. 1915 | Government College, Canton |
| 38 | Shen K. S. 1915 | Government College, Canton |
| 39 | Sun M. C. 1915 | Government College, Canton |
| 40 | Shen K. S. 1915 | Government College, Canton |
| 41 | Shen M. S. 1915 | Government College, Canton |
| 42 | Sun M. S. 1915 | Government College, Canton |
| 43 | Sun M. S. 1915 | Government College, Canton |
| 44 | Sun P. S. 1915 | Government College, Canton |
| 45 | Sun L. D. 1915 | Government College, Canton |
| 46 | Sun J. S. 1915 | Government College, Canton |
| 47 | Sun M. S. 1915 | Government College, Canton |
| 48 | Sun P. S. 1915 | Government College, Canton |
| 49 | Sun K. M. 1915 | Government College, Canton |
| 50 | Sun G. S. 1915 | Government College, Canton |
| 51 | Sun M. S. 1915 | Government College, Canton |
| 52 | Sun S. S. 1915 | Government College, Canton |
| 53 | Sun S. S. 1915 | Government College, Canton |
| 54 | Sun S. S. 1915 | Government College, Canton |
| 55 | Sun S. S. 1915 | Government College, Canton |
| 56 | Sun S. S. 1915 | Government College, Canton |
| 57 | Sun S. S. 1915 | Government College, Canton |
| 58 | Sun S. S. 1915 | Government College, Canton |
| 59 | Sun S. S. 1915 | Government College, Canton |
| 60 | Sun S. S. 1915 | Government College, Canton |
| 61 | Sun S. S. 1915 | Government College, Canton |
| 62 | Sun S. S. 1915 | Government College, Canton |
| 63 | Sun S. S. 1915 | Government College, Canton |
| 64 | Sun S. S. 1915 | Government College, Canton |
| 65 | Sun S. S. 1915 | Government College, Canton |
| 66 | Sun S. S. 1915 | Government College, Canton |
| 67 | Sun S. S. 1915 | Government College, Canton |
| 68 | Sun S. S. 1915 | Government College, Canton |
| 69 | Sun S. S. 1915 | Government College, Canton |
| 70 | Sun S. S. 1915 | Government College, Canton |
| 71 | Sun S. S. 1915 | Government College, Canton |
| 72 | Sun S. S. 1915 | Government College, Canton |
| 73 | Sun S. S. 1915 | Government College, Canton |
| 74 | Sun S. S. 1915 | Government College, Canton |
| 75 | Sun S. S. 1915 | Government College, Canton |
| 76 | Sun S. S. 1915 | Government College, Canton |
| 77 | Sun S. S. 1915 | Government College, Canton |
| 78 | Sun S. S. 1915 | Government College, Canton |
| 79 | Sun S. S. 1915 | Government College, Canton |
| 80 | Sun S. S. 1915 | Government College, Canton |
| 81 | Sun S. S. 1915 | Government College, Canton |
| 82 | Sun S. S. 1915 | Government College, Canton |
| 83 | Sun S. S. 1915 | Government College, Canton |
| 84 | Sun S. S. 1915 | Government College, Canton |
| 85 | Sun S. S. 1915 | Government College, Canton |
| 86 | Sun S. S. 1915 | Government College, Canton |
| 87 | Sun S. S. 1915 | Government College, Canton |
| 88 | Sun S. S. 1915 | Government College, Canton |
| 89 | Sun S. S. 1915 | Government College, Canton |
| 90 | Sun S. S. 1915 | Government College, Canton |
| 91 | Sun S. S. 1915 | Government College, Canton |
| 92 | Sun S. S. 1915 | Government College, Canton |
| 93 | Sun S. S. 1915 | Government College, Canton |
| 94 | Sun S. S. 1915 | Government College, Canton |
| 95 | Sun S. S. 1915 | Government College, Canton |
| 96 | Sun S. S. 1915 | Government College, Canton |
| 97 | Sun S. S. 1915 | Government College, Canton |
| 98 | Sun S. S. 1915 | Government College, Canton |
| 99 | Sun S. S. 1915 | Government College, Canton |
| 100 | Sun S. S. 1915 | Government College, Canton |

| <i>Name of student</i> | <i>College in which studying</i> |
|-------------------------------------|--|
| 71. Smt. Alphonsamma K. Varghese | Assumption College, Changanacherry. |
| 72. Smt. P. Sumathy | Little Flower College, Guruvayoor. |
| 73. Smt. N. K. Girija Devi | St. Mary's College, Trichur. |
| 74. Smt. Annie George | do. |
| 75. Smt. Geetha Thalakkara | do. |
| 76. Smt. Soosan Chacko | do. |
| 77. Smt. Sulekha V. Menon | do. |
| 78. Smt. K. Parvathy | do. |
| 79. Smt. N. S. Marjari Amma | do. |
| 80. Smt. Mariamma Jacob | St. Teresa's College, Ernakulam. |
| 81. Smt. K. Indira Menon | do. |
| 82. Smt. S. Karmala Devi | do. |
| 83. Smt. T. Mary Joseph | do. |
| 84. Smt. Thresiamma Augustine | do. |
| 85. Smt. Elizabeth Philip | do. |
| 86. Shri K. V. Vijayachandran | N. S. S. Arts and Science College, Ottapalam. |
| 87. Shri R. Swaminathan | do. |
| 88. Smt. J. S. Jameela | All Saints' College for Women, Trivandrum. |
| 89. Smt. C. S. Meenakshy | do. |
| 90. Smt. P. Anni Mani | Alphonsa College for Women, Palai. |
| 91. Smt. L. Sarasa Kumari | do. |
| 92. Shri Y. Geevarghese | Bishop Moore College, Mavelikara. |
| 93. Shri Abey Emmanuel | Deva Matha College, Kuravilangad. |
| 94. Shri P. N. Kumaran | do. |
| 95. Smt. K. M. Sumathykutty | do. |
| 96. Shri R. Sreeranganathan Nair | Devaswom Board College, Sasthamcottah. |
| 97. Shri Sovi Joseph | Kuriakose Elias College, Mannanam. |
| 98. Smt. N. Chandrakala | Mercy College for Women, Palghat. |
| 99. Smt. V. A. Sreeba Kunju | St. Peter's College, Kolencherry. |
| 100. Shri N. I. Abraham | St. Stephen's College, Uzhavoor. |

H. H. H. The Maharaja's Scholarships of the annual value of Rs. 150 each for the Pre-degree course for 1964-65

(Tenable for 2 years)

Out of the 27 H. H. The Maharaja's Scholarships for the Pre-degree course for the year 1964-65, 5 awards were made to the following students during the year under report:-

| Name of student | College to which awarded |
|---------------------------|--|
| 1. Sri P. T. Abraham | CMS College, Kottayam |
| 2. Sri P. G. Rajakrishnan | St. Xavier's College, Quilon |
| 3. Sri N. Nalini | N. S. S. Hindu College, Changanassery |
| 4. Sri P. T. Thomas | St. Thomas College, Palai |
| 5. Sri. Philomena Mathew | BCM College for Women, Kottayam |

I. University Merit Scholarships of the annual value of Rs. 100 each for B. A./B.Sc./B.Com. Degree courses for 1964-65

(Tenable for 3 years)

| Student | Name of student | College to which awarded |
|-----------|------------------------------------|---|
| Hindu | 1. Sri. Renuka Raghavan | Maharaja's College, Tiruvananthapuram |
| | 2. Nareem Chida | do |
| | 3. Sri. N. Sreenivasan Pal | St. Joseph's College for Women, Angamaly |
| Muslim | 1. Sri. R. Mangalam | College for Women, Tiruvananthapuram |
| | 2. Sri. S. Lakshmi | do |
| | 3. Sri. H. Nirmala | do |
| | 4. Sri P. Varganathan | Maharaja's College, Tiruvananthapuram |
| | 5. Sri K. Premchand | do |
| | 6. Sri K. M. Varghese | St. Peter's College for Christianity, Changanassery |
| | 7. Sri P. J. Sankaran | St. Thomas College, Thrissur |
| | 8. K. M. K. K. K. | St. Mary's College, Thrissur |
| | 9. Sri A. U. Varghese | St. George's College, Thiruvananthapuram |
| Christian | 1. Sri. Anna Mathew | Christ Church, Tiruvananthapuram |
| | 2. Sri. V. S. Varghese Kottayam | do |

| <i>Subject</i> | <i>Name of student</i> | <i>College in which studying</i> |
|--------------------|-------------------------------------|---|
| <i>English</i> | 3. Shri K.B. Venugopal | University College, Trivandrum. |
| | 4. Shri D. Varkey | do. |
| | 5. Shri C.M. Jose | do. |
| | 6. Shri Thomas George | St. Berchmans' College, Changanacherry. |
| | 7. Shri Joseph J. Joseph | do. |
| | 8. Shri T. V. Thomas | C.M.S. College, Kottayam. |
| | 9. Smt. Lida D'cruesy | St. Teresa's College, Ernakulam. |
| <i>Sanskrit</i> | 1. Smt. K. Padmavathy | Government Sanskrit College, Tripunithura. |
| | 2. Smt. O. Valsala | do. |
| | 3. Smt. T.N. Vijayakumari | do. |
| | 4. Shri V. P. Sivasankaran Nair | Sree Sankara College, Kalady. |
| <i>Hindi</i> | 1. Smt. S. Rajammal | University College, Trivandrum. |
| | 2. Shri K. Sundareswaran | Maharaja's College, Ernakulam. |
| <i>Mathematics</i> | 1. Shri N. K. Sukumaran Nair | University College, Trivandrum. |
| | 2. Shri P. Krishnan | Government College, Chittur-Cochin. |
| | 3. Smt. K. Bhagyan | do. |
| | 4. Shri T. B. Anantha- narayanan | do. |
| | 5. Shri S. Rajan | St. Berchmans' College, Changanacherry. |
| | 6. Shri P. J. Thomas | Sanatana Dharma College, Alleppey. |
| | 7. Smt. Nirmala Bai | Nirmala College, Muvattupuzha. |
| | 8. Smt. S. Sita | Malabar Christian College, Calicut. |
| | 9. Shri N. R. Para- meswaran | Sree Kerala Varma College, Trichur. |
| | 10. Shri K. S. Neelakandan | do. |
| | 11. Smt. Mallaya U. Leela | Sree Narayana College for Women, Quilon. |

| <i>Subject</i> | | <i>Name of student</i> | <i>College in which studying</i> |
|------------------|-----|---------------------------------|--|
| <i>Chemistry</i> | 3. | Shri T. R. Venkita- raman | Maharaja's College, Ernakulam. |
| | 4. | Shri M. Sudersanan | do. |
| | 5. | Smt. Nirmala Thampuram | do. |
| | 6. | Shri R. Sivarama- krishnan | do. |
| | 7. | Shri M. Rajagopalan | do. |
| | 8. | Shri J. N. John Cyriac | St. Berchmans' College, Changanacherry. |
| | 9. | Shri V. Purushothaman Pillai | N. S. S. College, Pandalam. |
| | 10. | Shri A. Jacob Abraham | Fatima Mata National College, Quilon. |
| | 11. | Shri V. C. Job | Mar Thoma College, Thiruvalla. |
| | 12. | Shri P. T. Issac | do. |
| | 13. | Shri N. M. George | Nirmala College, Muvattupuzha. |
| | 14. | Shri V. K. Sasidharan | Christ College, Irinjalakuda. |
| | 15. | Smt. Prabha Arundathi | Malabar Christian College, Calicut. |
| | 16. | Smt. S. Kamalam | B. C. M. College for Women, Kottayam. |
| | 17. | Smt K. S. Bhagya- lakshmy | St. Mary's College. Trichur. |
| | 18. | Shri G. Georgekutty | St. Joseph's College, Devagiri. |
| <i>Botany</i> | 1. | Smt. Girija Priya Darsini | College for Women, Trivandrum. |
| | 2. | Kumari S. Jaya | do. |
| | 3. | Smt. Vinatha Devi | Maharaja's College, Ernakulam. |
| | 4. | Smt. S. Lalithakumari | C. M. S. College, Kottayam. |
| | 5. | Smt. K. Kallianikutty | Sree Kerala Varma College, Trichur. |
| | 6. | Smt. Vijayalakshmi Kasthoori | Sree Narayana College, for Women. Quilon. |

| Class | Name of Student | College and Address |
|--------------------------------|--------------------------------|--|
| Fresh | 1. Smt. M. Mary Margalose | Avery Street College, Chennai, India |
| | 2. Smt. P. T. Anand | St. Maria College, Tiruchir |
| 2 nd Year | 1. Smt. Annamma Chinnan | College of Women, Tiruchir |
| | 2. Smt. M. Luc Abraham | Madras College, Tiruchir |
| | 3. Smt. T. J. Thiruv | do |
| | 4. Smt. L. Ramee | do |
| | 5. Smt. G. Helen Philat | Trinity School, College, Quilon |
| | 6. Smt. Francis Clara | St. Joseph College, Tiruchir |
| | 7. Smt. Anne Abraham | St. Teresa College, Tiruchir |
| | 8. Smt. L. J. Joseph | St. Joseph College, Dindigul |
| | 9. Smt. K. J. Thomas | do |
| College | Smt. K. Nanyan Kun | Government College, Kanniyakumari |
| 3 rd Year Course | 1. Smt. K. Gita | College of Women, Tiruchir |
| | 2. Smt. A. Gita | do |
| | 3. Smt. Annamma Chinnan | St. Joseph College, College of Women, Tiruchir |
| | 4. Smt. Maria Dora A Lassan | St. Teresa College, Tiruchir |
| | 5. Smt. Pious Mary | do |
| 4 th Year | 1. Smt. M. G. Joseph | St. Joseph College, Tiruchir |
| | 2. Smt. P. Joseph Chinnan | College of Women, Tiruchir |
| | 3. Smt. R. S. Mary | St. Joseph College, Tiruchir |
| | 4. Smt. P. S. Mary | St. Joseph College, Tiruchir |
| | 5. Smt. S. A. Mary | do |

XI. University Merit Scholarships of the annual value of Rs. 900/- each for M. A./M. Sc. M. Com. M. Ed. Degree courses for 1964-65
(Tenable for 2 years)

| <i>Subject</i> | | <i>Name of student</i> | <i>College in which studying</i> |
|-------------------|----|------------------------------------|---|
| <i>History</i> | | Shri P. K. Balakrishnan | Government Brennen College, Tellicherry. |
| <i>Economics</i> | 1. | Shri C. N. Soma- sekharan Nair | University College, Trivandrum. |
| | 2. | Shri P. Madhavan Nair | do. |
| | 3. | Smt. S. Bhagavathi Ammal | Maharaja's College, Ernakulam. |
| | 4. | Smt. K. Jani | do. |
| | 5. | Shri M. Ramachandran Ballullaya | Guruvayurappan College, Calicut. |
| | 6. | Shri P. James Jaya- rajan | do. |
| <i>Philosophy</i> | | Smt. Sreekumari Amma | University College, Trivandrum. |
| <i>Psychology</i> | 1. | Smt. G. Radhakumari | University Department of Psychology, Trivandrum. |
| | 2. | Shri Krishna Prasad Sreedhar | do. |
| <i>Sociology</i> | 1. | Shri T. J. John | Loyola College, Trivandrum. |
| | 2. | Smt. P. Rajalekshmi | do. |
| <i>English</i> | | Shri Korah J. Punnathura | C. M. S. College, Kottayam. |
| <i>Malayalam</i> | 1. | Smt. R. Saraswathykutty Ammal | Sree Narayana College, Quilon. |
| | 2. | Smt. M. N. Prabhavathy | do. |
| <i>Sanskrit</i> | 1. | Smt. M. Shanthi Chandra Kamath | University College, Trivandrum. |
| | 2. | Shri G. Mohana- kumaran | Sanskrit College, Trivandrum. |
| <i>Hindi</i> | 1. | Smt. C. Ponnammal | University College, Trivandrum. |
| | 2. | Smt. L. Sunnetha Bai | Maharaja's College, Ernakulam. |
| | 3. | Smt. N. Vasundara Shenoi | do. |

| Sl. No. | Name of student | College / Institution |
|-------------|-------------------------------------|---|
| Madurai | 1. Shri S. Muralidharan Nair | University College, Tirunelveli |
| | 2. Smt. A. Vimala | do |
| | 3. Shri C. Balakrishnan | do |
| | 4. Shri M. N. S. Laxmanan | do |
| | 5. Shri L. I. Subramaniam | Madurai College, Tirunelveli |
| | 6. Smt. K. P. Sathya Kumari | do |
| | 7. Shri P. V. Thomas Kully | do |
| | 8. Smt. P. M. Soomai | do |
| | 9. Shri R. Ravi Shankar | Sree Narayana College, Quilon |
| | 10. Shri G. Damodaran Nair | S. S. S. H. J. College, Changanassery |
| | 11. Smt. N. N. Vasanthi Kumari | Laxmi College, Tirunelveli |
| | 12. Shri P. P. Kuriakose Kishore | do |
| | 13. Shri D. T. George | Sree Narayana College, Tirunelveli |
| Tirunelveli | 1. Shri K. Appalaraju Kamath | Government Arts and College, Palayamkottai |
| | 2. Smt. P. J. Nagaraj | do |
| | 3. Shri K. Ramakrishnan | do |
| | 4. Smt. P. A. Muralidharan | do |
| Tirupattur | 1. Smt. C. K. Ramesh | University College, Tirupattur |
| | 2. Smt. K. Anandamma George | do |
| | 3. Smt. G. T. Indira | do |
| | 4. Smt. R. P. P. Sathya | Government Arts and College, Tirupattur |
| | 5. Smt. N. Narasimman Kumari | do |
| | 6. Smt. M. A. Jeyamma | do |
| | 7. Smt. G. Manjamma | Government Arts and College, Tirupattur |
| | 8. Smt. Jeyamma | do |

| <i>Subject</i> | | <i>Name of Student</i> | <i>College in which studying</i> |
|-----------------------------|-----|-------------------------------|---|
| <i>Physics</i> | 9. | Shri Abraham Varghese | Union Christian College, Alwaye. |
| | 10. | Shri K. V. Titus | do. |
| | 11. | Shri T. K. Avirah | do. |
| | 12. | Shri G. Sivasankara Pillai | Fatima Mata National College, Quilon. |
| | 13. | Shri M. K. Padmanabhan | St. Thomas College, Trichur. |
| <i>Applied Physics</i> | 1. | Shri T. R. Lakshminarayana | Government Victoria College, Palghat. |
| | 2. | Smt. M. Vijayalekshmi | do. |
| <i>Chemistry</i> | 1. | Smt. M. Sukunda | University College, Trivandrum. |
| | 2. | Shri K. Ayyappan Nair | do. |
| | 3. | Shri M. Ravindranathan | Maharajas' College, Ernakulam. |
| | 4. | Smt. M. Chandramoni | do. |
| | 5. | Smt. Mariam George | do. |
| | 6. | Smt. T. K. Vasanthy | do. |
| | 7. | Shri T. J. Joseph | St. Berchman's College, Changanacherry. |
| | 8. | Shri P. T. Thomas | do. |
| | 9. | Shri P. Abhilash Kumaran | do. |
| | 10. | Smt. Sosannamma Joseph | C. M. S. College, Kottayam. |
| | 11. | Smt. Gracy Philip | do. |
| | 12. | Shri V. N. Sivasankara Pillai | do. |
| | 13. | Shri H. S. Mony | Sree Narayana College, Quilon. |
| | 14. | Shri T. K. Parasuraman | St. Thomas College, Trichur. |
| | 15. | Shri M. J. Isaac | Sacred Heart College, Thevara. |
| <i>Applied Chemistry</i> | 1. | Smt. S. Ananthalekshmy Ammal | Maharaja's College, Ernakulam. |
| | 2. | Shri K. Devadasan | do. |
| <i>Analytical Chemistry</i> | 1. | Smt. P. R. Girija Varma | University Department of Chemistry, Trivandrum. |
| | 2. | Shri R. Krishnan | do. |

| Sl. No. | Name of Student | College and Location |
|---------------------------------|-------------------------------------|--|
| J. 1971 | 1. Smt S. H. Deepthi | University Department of Biology, Calicut |
| | 2. Smt. Leelamma Kuruvilla | Gracious College, Tiruvananthapuram |
| | 3. Shri N. K. Soman | Maharaja College, Tiruvananthapuram |
| | 4. Smt. K. Vinaya Bai | do |
| | 5. Smt. N. C. Jalaja | do |
| | 6. Smt. Sophiamma Paul | St. Benedict's College, Changanassery |
| | 7. Shri C. O. Varkey | St. Thomas College, Palakkad |
| | 8. Smt. Annamma Mathew | Lalima Matha National College, Quilon |
| J. 1972 | 1. Shri P. T. Gopinathan Nambiar | University College Tiruvananthapuram |
| | 2. Smt. Achamma Varghese | do |
| | 3. Shri K. G. Nataraj Pillai | do |
| | 4. Smt. K. K. Sreedevi Amma | do |
| | 5. Smt. Mary Thomas | Maharaja's College Tiruvananthapuram |
| | 6. Shri Sebastian Thomas | Lalima Matha National College, Quilon |
| | 7. Smt. K. Teresa | do |
| | 8. Shri. P. Haridas | Christ College, Tiruvananthapuram |
| | 9. Shri A. V. Thampi | do |
| J. 1973 J. 1974 & J. 1975 | 1. Shri C. J. Chazha | University Department of Physics, Palakkad University, Tiruvananthapuram |
| | 2. Shri P. Narayanasankar | do |
| | 3. Shri Prince K. Zachariah | do |
| J. 1976 & 1977 | Smt. S. G. Vidya | St. Thomas College Tiruvananthapuram |
| J. 1978 | Smt. D. Chandramma | Agnes Scott College Vellore |
| J. 1979 | Smt. K. S. S. S. S. S. | Christ College, Tiruvananthapuram |
| J. 1980 | Smt. P. S. S. S. S. | University Department of Physics, Tiruvananthapuram |

XII. Endowment Scholarships

| <i>Name of Scholarship</i> | <i>To whom awarded</i> | <i>Value of the Scholarship</i> | <i>Tenure of the Scholarship</i> |
|--|---|---------------------------------|------------------------------------|
| 1. Ammukutty Rajagopalachari Scholarships, 1963-'64 | 1. Smt. J. Indira, Pre-University Class, College for Women, Trivandrum. | Rs. 10/- per mensem | One Year (1963-'64) |
| | 2. Smt. M. Lakshmikumari, Pre-University Class, College for Women, Trivandrum. | do. | do. |
| | 3. Smt. P. Prasannakumari, I D.C., University College, Trivandrum. | Rs. 15/- per mensem | Two Years (1963-'64 & 1964-'65) |
| 2. V. K. R. Menon Memorial Scholarship, 1963-'64 | Shri P. A. Joseph, I M.Sc. (Physics), Union Christian College, Alwaye. | Rs. 50/- per mensem | Two Years (1963-'64 & 1964-'65) |
| 3. Travancore University Co-operative Stores Scholarship, 1963-'64 | Shri N. Gopinathan, I D.C., Christ College, Irinjalakuda. | Rs. 120/- per annum | One Year (1963-'64) |

| Amount of the Contribution | For the year ending | Re. 10.75 - per member | Three Years (1973-74 to 1975-76) | Amount of the Contribution |
|---|---------------------|---------------------------|-------------------------------------|-------------------------------|
| 5-1. P. S. Vasantha, I.D.C. (English), University College, Tiruchengode. | | | | |
| 5-1. K. G. Suba, Pre-University Class, College for Women, Tiruchengode. | | | | |
| 5-1. Subashini, Second Year of the Four Year Integrated Course in Engineering, Government Engineering College, Chittoor. | | | | |
| 5-1. Subashini, First Year of the Four Year Integrated Course in Engineering, Government Engineering College, Chittoor. | | | | |
| 5-1. Subashini, First Year of the Four Year Integrated Course in Engineering, Government Engineering College, Chittoor. | | | | |

| <i>Name of Scholarship</i> | <i>To whom awarded</i> | <i>Value of the Scholarship</i> | <i>Tenure of the Scholarship</i> |
|---|---|---|---------------------------------------|
| Technology Scholarships, 1963-'64 (Contd.) | 2. Shri P. A. Mohammed Kunju, II year Automobile Engineer- ing, Government Polytechnic, Kalamassery. | Rs. 7.50/- per mensem | One year (1964-'65) |
| | 3. Shri V. V. Somasundaram, III Year Automobile Engineering, Government Polytechnic, Kalamassery. | do. | do. |
| Sakharam Row Public Library Free Membership, 1963-'64 | Shri J. Venkitachala Sarma, II D. C., University College, Trivandrum (Continued for 1964-'65 also). | Subscription charges for a 'B' class member- ship in the Trivandrum Public Library | One year (1964-'65) |
| V. K. R. Menon Memorial Scholarship, 1964-'65 | Smt. G. Padmakumari, I M. Sc. (Physics), Union Christian College, Alwaye. | Rs. 50/- per mensem | Two years (1964-'65 & 1965-'66) |
| Meenakshy Bhaskar Memorial Scholarship, 1964-'65 - | Smt. P. Sujatha, I D. C., College for Women, Trivandrum. | Rs. 60/- per annum | Three years (1964-'65 to 1966-'67) |

[illegible]

Medals and Prizes awarded during 1964

(i) Medals

| <i>Name of award</i> | <i>To whom awarded</i> |
|--|--|
| 1. Rajyasevaniratha K. G. Parameswaran Pillai Medal, 1964 | Shri K. J. Chacko, St. Thomas College, Kozhencherry. |
| 2. Prakulam C. Padminabha Pillai Memorial Medal, 1964 | Smt. Lakshmi Natarajan, College for Women, Trivandrum. |
| 3. T. K. Joseph Medal, 1964 | Smt. R. Saraswathykutty Amma, Sree Narayana College, Quilon. |
| 4. Athilakshmi Ammal Gold Medal, 1964 | Shri Y. M. Faruq, University College, Trivandrum. |
| 5. Muttamma Muttunayagom Memorial Medal, 1964 | Smt. A. Janaki Ammal, College for Women, Trivandrum. |
| 6. P. Sankunny Menon Dewan Peishkar's Gold Medal, 1964 | Smt. K. Devi, University College, Trivandrum. |
| 7. Dr. A. Ramaswami Mudaliar Gold Medal, 1964 | Shai K. J. Joseph, St. Thomas College, Palai. |
| 8. Madhavivilasathu Raman Velayudhan Nair Gold Medal, 1964 | Smt. R. Sumangalakutty, University College, Trivandrum. |
| 9. P. G. Govinda Pillai Memorial Gold Medal, 1964 | do. |
| 10. A. V. George Gold Medal, 1964 (Economics) | do. |
| 11. M. Govindan Memorial Gold Medal, 1964 | Deacon C. C. Mathew, - University College, Trivandrum. |
| 12. Meenakshi Amma Medal, 1964 | Smt. R. Saraswathykutty Amma, Sree Narayana College, Quilon. |
| 13. Principal N. Gopala Pillai Shashtiabdapurthi Memorial Gold Medal, 1964 | Shri R. Balakrishnan Nair, Sanskrit College, Trivandrum. |

| <i>Award</i> | <i>To whom awarded</i> |
|---|---|
| 1. <i>Chavara Auddy Iyer</i> G. S. M. Medal, 1963 | Shri R. Balakrishnan Nair, Sanskrit College, Tiruvandur |
| 2. <i>A. K. Srin Thampi</i> Prerogative Medal, 1963 | Shri G. Mohan Kumar, Sanskrit College, Tiruvandur. |
| 3. <i>Mrs. Mathew Govinda Pillai</i> Prerogative Culture Medal, 1963 | Smt. Mariamma Kunen, College for Women, Tiruvandur |
| 4. <i>Fr. S. T. Madhava Row</i> Prerogative Medal, 1963 | Smt. P. G. Savithri, St. Mary's College, Tiruvandur |
| 5. <i>A. M. Varkey Memorial</i> Prerogative Medal, 1963 | Awarded Equally to (i) Shri Ravi M. Mathew, University College, Tiruvandur (ii) Smt. Lakshmi Natara 17, College for Women, Tiruvandur |
| 6. <i>S. K. Mathew Iyer</i> Prerogative G. S. Medal, 1963 | Shri Ravi M. Mathew, University College, Tiruvandur |
| 7. <i>A. K. Chinnayya Iyer</i> Prerogative Medal, 1963 | Shri K. S. Bose, Maharaja's College, Tiruvandur |
| 8. <i>K. S. Srinivasan</i> Prerogative Medal, 1963 | Smt. M. Sabaraja, College for Women, Tiruvandur |
| 9. <i>Dr. K. S. Rajagopalachari</i> G. S. Medal, 1963 | Smt. K. P. Srinivasan, Prerogative Culture College, Alwaye |
| 10. <i>Fr. S. T. Madhava Row</i> Prerogative Medal, 1963 | Smt. J. V. Lakshmi, Maharaja's College, Tiruvandur |
| 11. <i>S. K. Srinivasan Iyer</i> Prerogative Medal, 1963 | Smt. V. Srinivasan, Prerogative Culture College, Tiruvandur |
| 12. <i>S. K. Srinivasan Iyer</i> Prerogative Medal, 1963 | Smt. N. G. S. Srinivasan, Prerogative Culture College, Tiruvandur |
| 13. <i>S. K. Srinivasan Iyer</i> Prerogative Medal, 1963 | Smt. K. S. Srinivasan, Prerogative Culture College, Tiruvandur |

| <i>Name of award</i> | | <i>To whom awarded</i> |
|--|-------|---|
| 27. Dr. K. Bhaskaran Nair Gold Medal, | 1964 | Smt. Chinnakutty Thomas, University College, Trivandrum. |
| 28. Nigom Aiya Medal, | 1964 | Shri R. Unnikrishnan, University Department of Mathematics and Statistics, Trivandrum. |
| 29. Ross Gold Medal: | | |
| | 1957 | Shri V. Bhaskaran Kantha |
| | 1958 | Shri S. Krishna Iyer |
| | 1959 | Shri A. R. Kalyana- raman |
| | 1960 | Shri S. Sankar |
| | 1961 | Smt. R. Chandra- mony Ammal |
| | 1962 | Shri Shri K. Mohana- chandran |
| | 1963 | Shri M. Ahamed |
| | 1964 | Shri K. Venkata- chalam |
| 30. A. V. George Gold Medal, 1964 (Commerce) | | Shri B. Vasanthan, Guruvayurappan College, Calicut. |
| 31. M. S. Menon Gold Medal, 1964 | | Smt V. L. Charlotte, Law College, Ernakulam. |
| 32. Malloor Govinda Pillai Gold Medal for Law, 1964 | (i) | Awarded equally to: Shri K. R. Appukuttan Thampan, Law College, Trivandrum. |
| | (ii) | Shri R. Karunakaran Nayar, Law College, Trivandrum. |
| | (iii) | Shri A. J. Ephren, Law College, Ernakulam. |
| 33. Justice T. Kunhircman Nair Gold Medal, 1964 | | Shri T. S. Radhakrishna Pillai, Law College, Ernakulam. |
| 34. The Training College Shastiabdapurthi Memorial Medal, 1964 | | Smt. M. S. Gomathy Ammal, Government Training College, Trivandrum. |

| Serial Number | Name of Engineer | Technical Education |
|---------------|---|--|
| 1 | James G. Smith, M. E. Gold Medal, 1902 | Sgt. Anna Emma Palmer, Miss Thompson, Teachers College, Teachers Union |
| 2 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. P. K. Donaldson, Army, Lathrop Training College, Seattle. |
| 3 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. A. C. Matheson, College of Engineering Teacher |
| 4 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. V. Balabramaniam, College of Engineering Teacher |
| 5 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. A. C. Matheson, College of Engineering Teacher |
| 6 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. K. T. Hindman, L. K. M. College, Engineering Officer |
| 7 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. V. Balabramaniam, College of Engineering Teacher |
| 8 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. D. Smith, Medical College, Teachers Union |
| 9 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. D. Smith, Medical College, Teachers Union |
| 10 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. D. Smith, Medical College, Teachers Union |
| 11 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. D. Smith, Medical College, Teachers Union |
| 12 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. D. Smith, Medical College, Teachers Union |
| 13 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. D. Smith, Medical College, Teachers Union |
| 14 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. D. Smith, Medical College, Teachers Union |
| 15 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. D. Smith, Medical College, Teachers Union |
| 16 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. D. Smith, Medical College, Teachers Union |
| 17 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. D. Smith, Medical College, Teachers Union |
| 18 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. D. Smith, Medical College, Teachers Union |
| 19 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. D. Smith, Medical College, Teachers Union |
| 20 | Wm. H. Smith, M. E. Gold Medal, 1902 | Sgt. D. Smith, Medical College, Teachers Union |

| <i>Name of award</i> | <i>To whom awarded</i> |
|---|---|
| 48. George Oommen Memorial Medal, 1963 (Foot-ball) | Shri C. P. Usman Koya, Malabar Christian College, Calicut. |
| 49. Sri Chitra Fine Arts Medal, 1963 | Shri Kazi Shamimuddin, Regional Engineering College, Calicut. |
| 50. Sir C. P. Medal, 1964 | Shri K. Radhakrishnan Nayar, Diploma course in Shorthand and Typewriting, Trivandrum. |

(ii) Prizes

- | | |
|---|--|
| 1. H. H. Princess Karthika Thirunal Prize, 1964 | Smt. A. Janaki Ammal, College for Women, Trivandrum. |
| 2. H. H. Marthandavarma Elaya Raja Prize, 1964 | Smt. Lakshmi Natarajan, College for Women, Trivandrum. |
| 3. Rajyasevapraveena Dr. C. V. Chandrasekharan Memorial Prize, 1964 | Shri Ravi M. Mathew, University College, Trivandrum. |
| 4. Prof. M. P. Paul Prize, 1964 | Shri K. K. Abdul Majced, Government Brennen College, Tellicherry. |
| 5. The French Embassy's Prize, 1964 | Smt. L. V. Alamelu, St. Teresa's College, Ernakulam. |
| 6. Abadan Kerala Kala Samithi Prize, 1964 | Shri K. J. Chacko, St. Thomas College, Kozhencherry. |
| 7. K. P. Gopala Menon Prize, 1964 | Shri Mistry Byramjee Macky, Government Brennen College, Tellicherry. |
| 8. Prof. P. Sundaran Pillai Memorial Prize, 1964 | Deacon C. C. Mathew, University College, Trivandrum. |
| 9. Dr. K. Godavarma Memorial Prize, 1964 | Awarded equally to : (i) Shri K. S. Rex, Maharaja's College, Ernakulam. (ii) Shri K. Saratchandran Nayar, Maharaja's College, Ernakulam. |

| No. of award | To whom awarded |
|--|---|
| 1. Dugdale Prize, 1964 | SRI N. Rajasekharan, University Department of Tamil, Tiruchirappalli. |
| 2. Panchasiksha Prizes, 1964 | SRI P. J. Mute, St. Teresa's College, Ernakulam. |
| 3. Panchasiksha Mathematical Prizes, 1964 | SRI M. Chandrasekharan, Maharaja's College, Ernakulam. |
| 4. Panchasiksha Sanskrit Prizes, 1964 | SRI K. Saramakrishnan Nair, Law College, Tiruchirappalli. |
| 5. Panchasiksha Prizes, 1964 | do. |
| 6. Panchasiksha Prizes, 1964 | SRI V. L. Chandrasekharan, Law College, Ernakulam. |
| 7. Panchasiksha Prizes, 1964 | SRI S. R. Srinivasan, Law College, Ernakulam. |
| 8. Panchasiksha Prizes, 1964 | SRI K. Natarajan, Law College, Ernakulam. |
| 9. P. A. C. T. Prizes, 1964 | SRI K. L. Haridasan, L. K. M. College of Engineering, Quilon. |
| 10. P. A. C. T. Prizes, 1964 | SRI N. Sankaran Nair, College of Engineering, Tiruchirappalli. |
| 11. P. A. C. T. Prizes, 1964 | SRI G. Ramesh, College of Engineering, Tiruchirappalli. |
| 12. P. A. C. T. Prizes, 1964 | SRI K. Jeyaraj, Medical College, Tiruchirappalli. |
| 13. P. A. C. T. Prizes, 1964 | SRI P. V. Sankaran, Government Engineering College, Tiruchirappalli. |
| 14. P. A. C. T. Prizes, 1964 | do. |
| 15. P. A. C. T. Prizes, 1964 | SRI V. Ramesh Nair, Government High School, Tiruchirappalli. |

